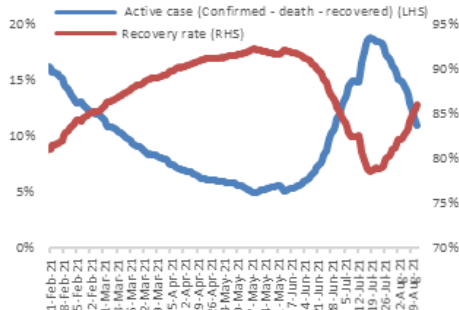


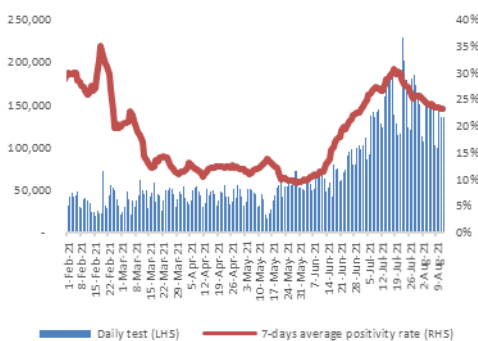
Friday, 27 August 2021

Active case vs Recovery rate



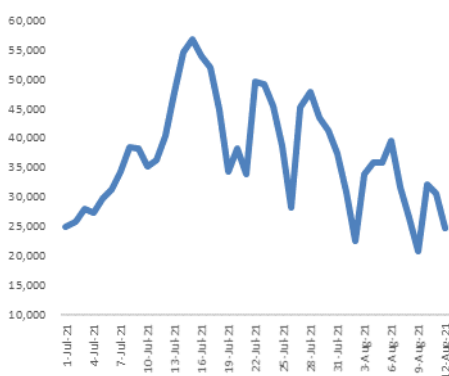
Source: Ministry of Health

Daily tests vs positivity rate



Source: Ministry of Health

Daily case trend



Source: Ministry of Health



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Covid-19

Weekly Update: Entering a better phase

The government has eased social restrictions in the Java-Bali area to level 3, although the degree of restrictions is similar than under the previous policy to keep the pandemic under control. This week there have been improvements in recovery rates in all provinces, lower active case rates and more manageable bed occupancy rates. Vaccination progress continues apace with a focus on booster inoculations given to healthcare officers. Since the vaccinations keep accelerating, we note that most provinces nationwide will need to reorder stocks next month.

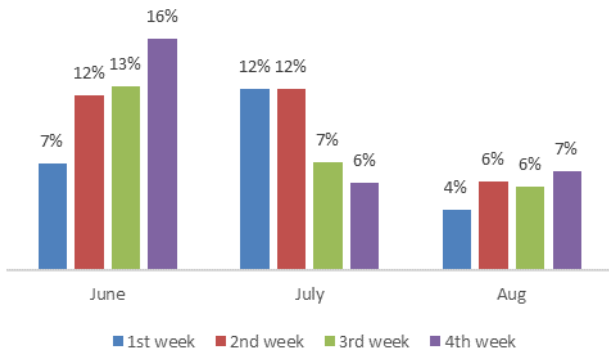
The national positivity rate has started to decline, recovery improved in all provinces. The positivity rate nationwide has started to decline from 21% last week to 14% on a 7DMA basis. Jakarta's positivity rate has fallen below the 5% level, indicating that the capital has entered 'green territory'. The lower positivity rate nationwide is mostly underpinned by significantly lower positivity for the antigen test from 11% last week to 5%, and a stable decline in positivity for the PCR test from 36% to 32% on a 7DMA basis. This record indicates improvements in infection levels outside Jakarta. At the same time, we also note that the proportion of those with antigen tests increased to 68% this week. The **recovery rate** in all provinces is improving, translating to a lower active case rate nationwide, even though there has been a daily case surge in West Java in the last 3 days.

The **bed occupancy rate (BOR)** of all provinces in Java is still under control, and Bali has started to record a decline yet still above the 60% level. Some provinces posted a higher BOR level: Aceh, Jambi, Nusa Tenggara, and North Sulawesi. As of 26 August, some provinces posted at least a 60% BOR level: Aceh, Bali, and East Kalimantan.

The govt has recently eased social restrictions in the Java area to level 3, while actually the degree of restrictions is similar than under the previous policy. We expect that mobility will start to improve this week, especially in Jakarta where vaccinations coverage has reached more than 50% of the population. Schools are expected to start face-to-face activities for those who have been fully vaccinated starting next week in several cities in Java, such as Jakarta, Semarang (Central Java), and in East Java, where many parts of the regions have imposed a lower degree of social restrictions.

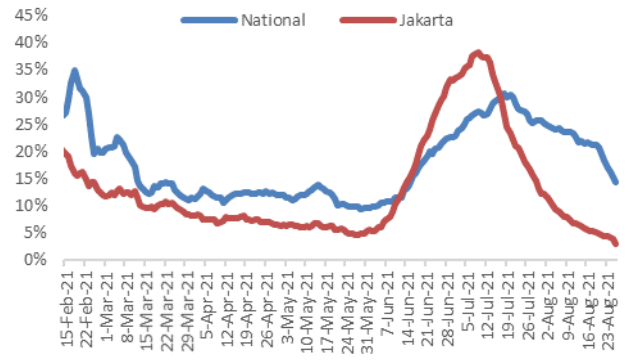
Vaccination update: Most provinces need to reorder stocks this month. As the pace of vaccinations keeps accelerating, there are 22 provinces (out of 34 nationwide) that will need to reorder stocks in September. As of 26 August, 97.2 million vaccines in total have been distributed to all vaccination centres nationwide, with a total utilization rate reaching 77%. **West Java and Jakarta have the shortest reorder point within the next 1-2 weeks.** While vaccinations coverage in Jakarta has reached almost 60% of the target, West Java is still left behind at only 11.3% of the target. On 23 August, 5 million bulk doses were received from Sinovac, meaning that more than 200 million doses have been received. 4.6 million doses of vaccines will also be supplied by Pfizer at the end of August. This means that currently there are still c.50% of the vaccines administered nationwide out of the total vaccines received. Acceleration of vaccines production is necessary to cope with the accelerated demand.

Exhibit 1. WoW growth of 1st jab vaccines inoculation



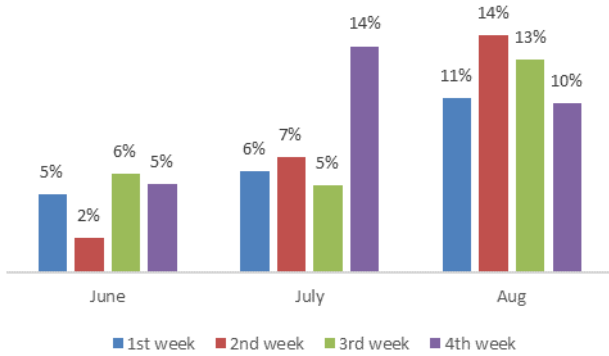
Source: BRI Danareksa Sekuritas, Ministry of Health

Exhibit 2. 7DMA Positivity rate trends



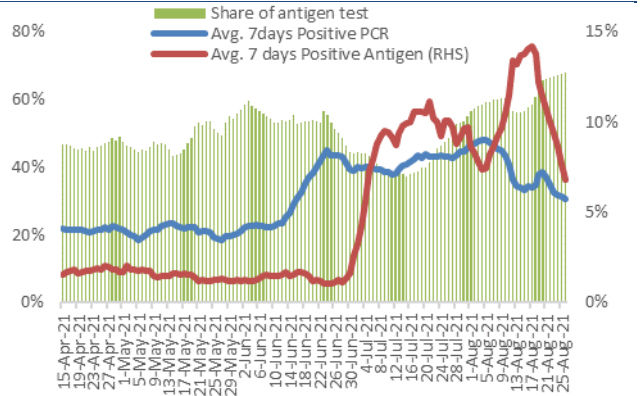
Source: BRI Danareksa Sekuritas, Ministry of Health, Govt of Jakarta

Exhibit 3. WoW growth of 2nd jab vaccines inoculation



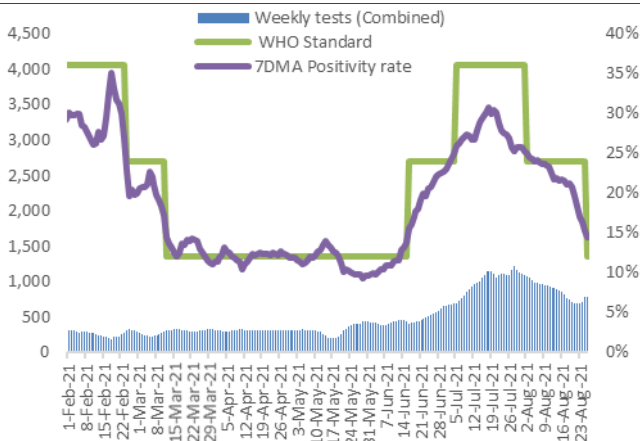
Source: BRI Danareksa Sekuritas, Ministry of Health

Exhibit 4. PCR vs Antigen positivity rates



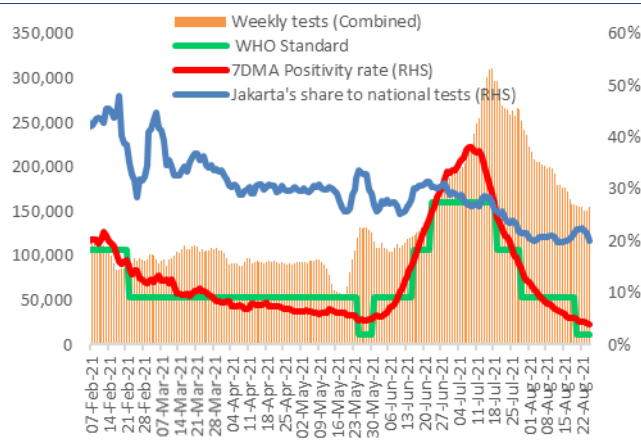
Source: BRI Danareksa Sekuritas, Ministry of Health

Exhibit 5. Weekly tests Indonesia (in thousand people)



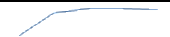
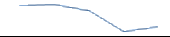
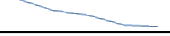
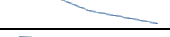

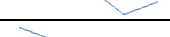


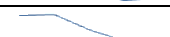
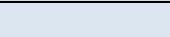

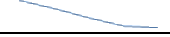
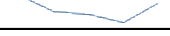
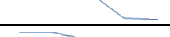
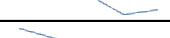
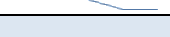
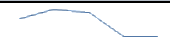




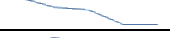





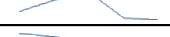
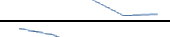


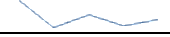



Source: BRI Danareksa Sekuritas, Ministry of Health

Exhibit 6. Weekly tests Jakarta



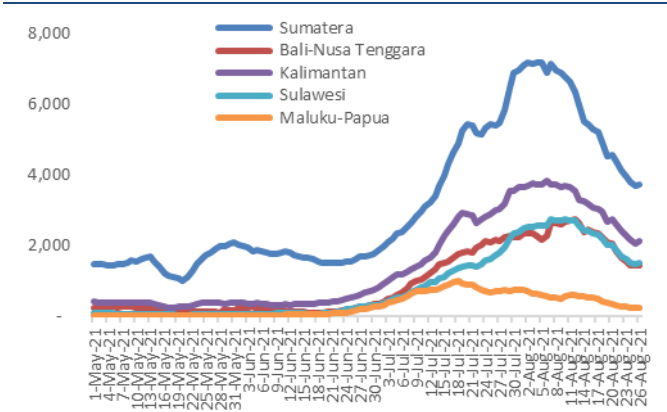
Source: BRI Danareksa Sekuritas, Govt of Jakarta

Exhibit 7. Daily cases nationwide

Provinces	Daily case					Trend
	29-Jul-21	5-Aug-21	12-Aug-21	19-Aug-21	26-Aug-21	
Sumatera						
Aceh	231	351	385	383	368	
North Sumatera	1,588	1,656	1,472	869	1,020	
Riau	2,096	1,464	1,174	589	509	
Riau Islands	516	503	275	178	84	
West Sumatera	1,036	942	630	432	380	
Jambi	385	387	457	121	274	
South Sumatera	1,278	695	551	117	167	
Bangka Belitung	595	857	502	276	388	
Bengkulu	365	397	206	28	75	
Lampung	687	717	430	229	289	
Java						
Banten	1,464	976	675	210	355	
Jakarta	3,845	2,981	1,957	1,029	789	
West Java	7,519	3,994	3,174	1,377	5,464	
Central Java	4,535	4,169	4,980	1,072	813	
Yogyakarta	1,920	1,862	1,510	634	873	
East Java	5,506	4,030	2,885	1,499	1,619	
Bali-Nusa Tenggara						
Bali	1,119	1,362	1,270	734	746	
West Nusa Tenggara	326	249	227	137	202	
East Nusa Tenggara	781	530	867	527	365	
Kalimantan						
West Kalimantan	397	681	386	180	339	
Central Kalimantan	379	265	320	225	186	
South Kalimantan	913	733	687	445	466	
East Kalimantan	1,540	2,222	1,843	638	865	
North Kalimantan	493	632	536	170	284	
Sulawesi						
North Sulawesi	562	196	281	250	243	
Gorontalo	78	278	99	81	48	
Central Sulawesi	804	665	915	450	503	
West Sulawesi	99	169	220	54	44	
South Sulawesi	1,359	1,243	1,027	493	565	
Southeast Sulawesi	232	189	90	62	102	
Maluku-Papua						
North Maluku	110	43	36	18	44	
Maluku	68	18	42	22	33	
West Papua	328	157	341	85	55	
Papua	325	254	175	154	114	
Indonesia	43,479	35,867	30,625	13,768	18,671	

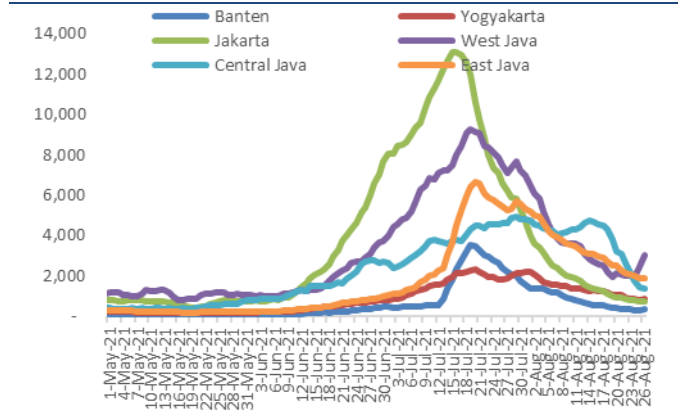
Source: BRI Danareksa Sekuritas, Ministry of Health

Exhibit 8. Daily case trend outside Java



Source: BRI Danareksa Sekuritas, Ministry of Health

Exhibit 9. Daily case trend in Java



Source: BRI Danareksa Sekuritas, Ministry of Health

Exhibit 10. Recovery rate trend

Provinces	29-Jul-21	5-Aug-21	12-Aug-21	19-Aug-21	26-Aug-21	Trend
Sumatera						
Aceh	73.8%	72.5%	72.3%	75.3%	74.9%	
North Sumatera	68.9%	65.0%	62.7%	66.1%	72.5%	
Riau	85.0%	83.8%	85.8%	88.5%	90.9%	
Riau Islands	78.0%	86.4%	89.7%	92.5%	93.9%	
West Sumatera	80.7%	78.7%	81.4%	86.4%	90.1%	
Jambi	72.5%	74.3%	77.6%	81.6%	86.3%	
South Sumatera	74.0%	74.5%	78.7%	83.4%	88.3%	
Bangka Belitung	80.8%	80.0%	81.5%	85.4%	87.5%	
Bengkulu	72.2%	76.5%	81.1%	82.4%	87.8%	
Lampung	72.7%	72.8%	77.5%	79.4%	82.0%	
Java						
Banten	60.9%	75.3%	86.6%	92.5%	94.3%	
Jakarta	95.1%	96.8%	97.3%	97.4%	97.5%	
West Java	77.2%	80.6%	87.3%	90.3%	94.0%	
Central Java	79.2%	81.9%	86.2%	88.1%	88.2%	
Yogyakarta	65.3%	66.5%	75.6%	81.6%	86.6%	
East Java	74.3%	78.6%	82.1%	85.5%	88.5%	
Bali-Nusa Tenggara						
Bali	81.5%	80.5%	83.4%	86.4%	89.0%	
West Nusa Tenggara	86.3%	88.7%	89.8%	90.9%	92.4%	
East Nusa Tenggara	67.1%	71.1%	79.5%	84.9%	89.9%	
Kalimantan						
West Kalimantan	78.4%	77.7%	83.7%	88.1%	93.4%	
Central Kalimantan	76.8%	83.4%	84.9%	83.9%	86.4%	
South Kalimantan	81.3%	77.0%	76.8%	78.6%	82.0%	
East Kalimantan	77.8%	79.2%	83.7%	87.9%	90.7%	
North Kalimantan	73.5%	71.7%	70.9%	74.8%	80.7%	
Sulawesi						
North Sulawesi	76.4%	75.9%	76.4%	78.9%	85.7%	
Gorontalo	84.2%	79.1%	78.0%	82.0%	87.0%	
Central Sulawesi	70.6%	67.6%	66.9%	70.9%	78.7%	
West Sulawesi	80.8%	78.8%	79.7%	82.5%	86.2%	
South Sulawesi	86.3%	83.9%	85.7%	86.5%	90.2%	
Southeast Sulawesi	77.8%	78.6%	81.4%	84.3%	86.7%	
Maluku-Papua						
North Maluku	69.7%	74.5%	82.7%	87.3%	91.4%	
Maluku	70.7%	75.6%	78.4%	82.8%	92.8%	
West Papua	82.9%	84.6%	87.6%	91.0%	96.2%	
Papua	47.9%	46.0%	59.6%	60.6%	60.1%	
Indonesia	80.6%	82.6%	86.1%	88.4%	90.8%	

Source: BRI Danareksa Sekuritas, Ministry of Health

Exhibit 11. Active case trend

Provinces	29-Jul-21	5-Aug-21	12-Aug-21	19-Aug-21	26-Aug-21	Trend
Sumatera						
Aceh	21.9%	23.2%	23.4%	20.5%	20.8%	
North Sumatera	28.6%	32.7%	35.0%	31.6%	25.0%	
Riau	12.4%	13.5%	11.4%	8.7%	6.1%	
Riau Islands	19.5%	10.9%	7.4%	4.5%	3.0%	
West Sumatera	17.1%	19.2%	16.5%	11.4%	7.7%	
Jambi	25.4%	23.5%	20.1%	16.1%	11.3%	
South Sumatera	21.6%	21.0%	16.6%	11.8%	6.8%	
Bangka Belitung	17.2%	17.9%	16.1%	12.1%	10.0%	
Bengkulu	26.1%	22.0%	17.3%	16.0%	10.4%	
Lampung	21.7%	21.0%	15.6%	13.4%	10.6%	
Java						
Banten	37.5%	22.7%	11.5%	5.4%	3.7%	
Jakarta	3.4%	1.7%	1.2%	1.0%	0.9%	
West Java	21.3%	17.8%	11.0%	7.9%	4.0%	
Central Java	15.8%	12.8%	8.2%	6.0%	5.7%	
Yogyakarta	31.9%	30.6%	21.3%	15.3%	10.2%	
East Java	19.1%	14.6%	10.9%	7.3%	4.2%	
Bali-Nusa Tenggara						
Bali	15.7%	16.7%	13.8%	10.7%	7.8%	
West Nusa Tenggara	10.8%	8.5%	7.5%	6.4%	4.9%	
East Nusa Tenggara	31.0%	27.1%	18.6%	13.1%	8.2%	
Kalimantan						
West Kalimantan	19.1%	19.8%	13.8%	9.3%	3.9%	
Central Kalimantan	21.1%	14.1%	12.2%	13.2%	10.7%	
South Kalimantan	15.9%	20.1%	20.2%	18.3%	14.8%	
East Kalimantan	19.3%	17.9%	13.2%	8.8%	5.9%	
North Kalimantan	24.9%	26.6%	27.2%	23.1%	17.2%	
Sulawesi						
North Sulawesi	20.8%	21.2%	20.7%	18.2%	11.4%	
Gorontalo	13.0%	18.1%	18.8%	14.6%	9.3%	
Central Sulawesi	26.7%	29.6%	30.2%	26.0%	18.1%	
West Sulawesi	17.2%	19.1%	18.1%	15.3%	11.3%	
South Sulawesi	12.1%	14.5%	12.5%	11.7%	7.9%	
Southeast Sulawesi	20.1%	19.1%	16.3%	13.2%	10.8%	
Maluku-Papua						
North Maluku	27.9%	23.1%	15.0%	10.2%	6.0%	
Maluku	27.7%	22.7%	20.0%	15.5%	5.4%	
West Papua	15.6%	13.9%	10.9%	7.5%	2.3%	
Papua	51.2%	53.0%	39.3%	38.2%	38.8%	
Indonesia	16.6%	14.5%	10.9%	8.5%	6.0%	

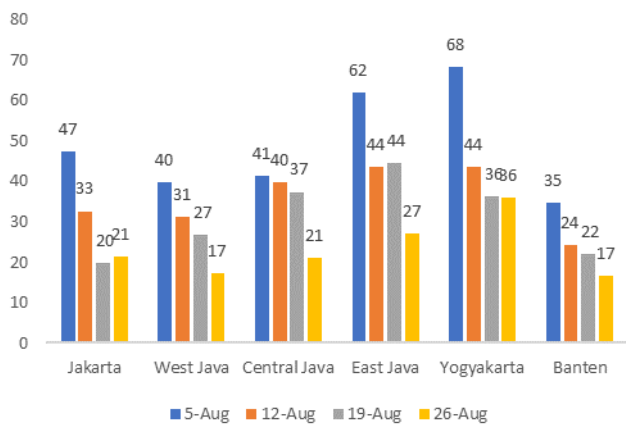
Source: BRI Danareksa Sekuritas, Ministry of Health

Exhibit 12. BOR trend in Sumatera, %



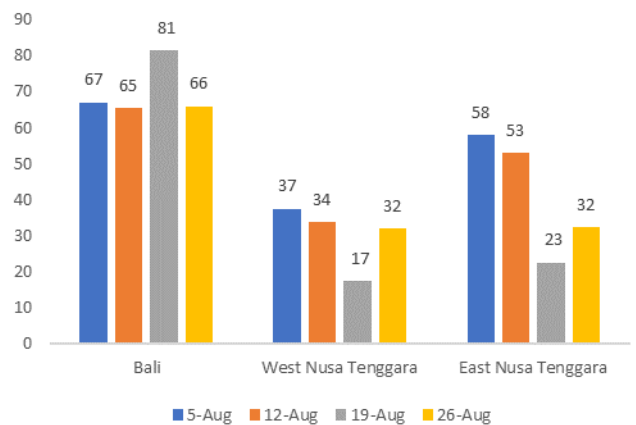
Source: BRI Danareksa Sekuritas, Ministry of Health

Exhibit 13. BOR Trend in Java, %



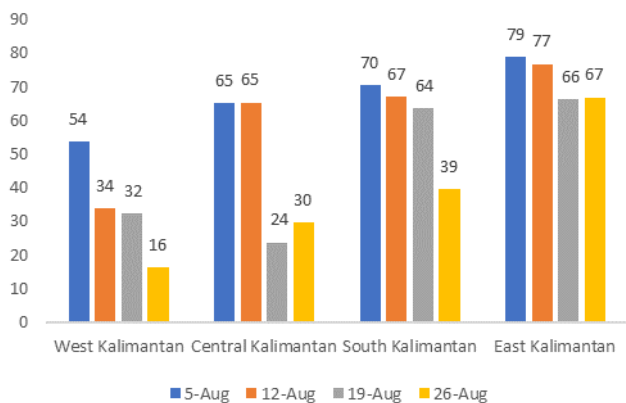
Source: BRI Danareksa Sekuritas, Ministry of Health

Exhibit 14. BOR Trend in Bali-Nusa Tenggara, %



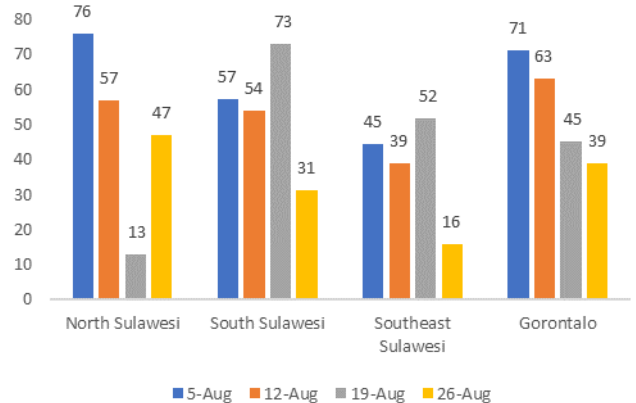
Source: BRI Danareksa Sekuritas, Ministry of Health

Exhibit 15. BOR Trend in Kalimantan, %



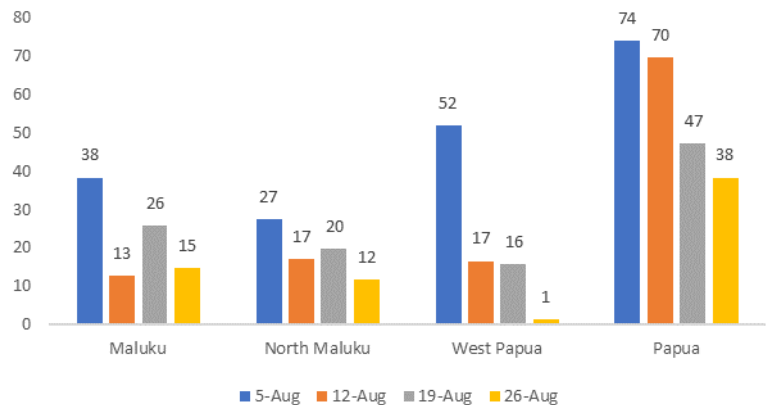
Source: BRI Danareksa Sekuritas, Ministry of Health

Exhibit 16. BOR Trend in Sulawesi, %



Source: BRI Danareksa Sekuritas, Ministry of Health

Exhibit 17. BOR Trend in Maluku-Papua, %



Source: BRI Danareksa Sekuritas, Ministry of Health

Exhibit 18. Vaccines stock nationwide as of 26 August

Provinces	Total vaccines received	Ending stock	Utilization rate	Expected reorder point
West Java	15,232,096	1,559,235	90%	4-Sep-21
Jakarta	16,546,804	1,777,608	89%	9-Sep-21
Jambi	1,211,378	230,106	81%	10-Sep-21
East Kalimantan	1,273,500	210,154	83%	14-Sep-21
South Sumatera	2,293,960	355,540	85%	14-Sep-21
North Sumatera	3,212,072	722,846	77%	14-Sep-21
West Kalimantan	1,281,350	215,774	83%	17-Sep-21
South Kalimantan	1,047,778	177,188	83%	17-Sep-21
Riau	1,755,154	201,924	88%	17-Sep-21
North Kalimantan	263,496	63,370	76%	18-Sep-21
Central Sulawesi	489,362	106,154	78%	18-Sep-21
West Nusa Tenggara	1,026,022	207,326	80%	19-Sep-21
Bangka Belitung	491,530	115,230	77%	20-Sep-21
Central Kalimantan	933,278	184,634	80%	21-Sep-21
South Sulawesi	3,066,910	642,672	79%	21-Sep-21
North Maluku	257,834	57,924	78%	22-Sep-21
Central Java	12,066,264	3,188,255	74%	23-Sep-21
Lampung	1,076,880	326,812	70%	23-Sep-21
Bali	5,148,442	1,050,310	80%	24-Sep-21
Banten	3,615,776	1,292,763	64%	24-Sep-21
East Java	13,112,921	4,349,774	67%	24-Sep-21
West Papua	324,850	88,024	73%	25-Sep-21
West Sumatera	1,264,688	366,088	71%	5-Oct-21
Southeast Sulawesi	664,119	277,398	58%	6-Oct-21
Bengkulu	518,136	185,930	64%	8-Oct-21
Maluku	426,030	148,306	65%	8-Oct-21
Riau Islands	1,486,632	647,400	56%	10-Oct-21
Yogyakarta	1,956,586	1,207,054	38%	16-Oct-21
East Nusa Tenggara	979,671	551,554	44%	23-Oct-21
West Sulawesi	416,500	142,432	66%	29-Oct-21
Aceh	1,376,450	516,750	62%	20-Nov-21
North Sulawesi	1,139,800	585,926	49%	14-Dec-21
Papua	801,753	703,940	12%	31-Dec-21
Gorontalo	442,068	184,414	58%	13-Jan-22
Total	97,200,090	22,640,815	77%	

Source: BRI Danareksa Sekuritas, Ministry of Health

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