Progress and challenges in COVID-19 vaccine roll-out

Thailand
Vaccine management concept “Triangle moving vaccine”

Vaccine Supply

Distribute vaccine by prioritize zone

- Red zone: top priority
- Yellow zone: very high priority
- Green zone: high priority

Sufficient immunization unit
- Regular hospital
- Immunization station outside hospital
- Mobile unit

Completion, Accuracy, Timeliness
- Registration/Appointment
- Vaccine logistics and storage
- Immunization service
- Follow up
- AEFI Surveillance
Covid-19 vaccine administered in Thailand

sinovac

AstraZeneca

SINOPHARM

Pfizer
Goal of Covid-19 immunization campaign

At least 70% of population living in Thailand are fully vaccinated.

Prioritize target among elderly people in August (To reduce severe morbidity and mortality)

- At least 80% for Bangkok
- At least 70% for 12 highly epidemic provinces
- At least 50% for other provinces
Main vaccine distributed in Thailand is AstraZeneca.

- During June-September 2021, 36 millions doses of AstraZeneca vaccine is planned to administer as the 1st dose to accelerate immunization coverage.
- The 2nd dose will be administered during October – December 2021.

Vaccine distribution relies on epidemic situation

Consideration of vaccine distribution depends on 4 factors:

1. Vaccine supply
2. Population size
3. Epidemiology of outbreak
4. Target population eg. Educational personnel, labor force

Target population

1. Frontline healthcare worker in both public and private sector
2. Non-health staff with high risk of exposure
3. People with underlying disease
4. Elderly people aged above 60 years
5. High exposure group; educational personnel, public transportation staff, international student/worker
6. Diplomat and international personnel
7. General population
8. Worker under social insurance scheme
9. Entrepreneurs/foreigner/expat/migrant worker
10. Others who need to be vaccinated
Covid-19 immunization campaign nationwide since 7 June 2021
Covid-19 Certificate of Vaccination

Thailand national certificate of Covid-19 vaccination, Issue by health facility

Thailand’s Covid-19 Certificate of Vaccination for international traveler
Mohpromt application

Line OA

Dashboard on Application
# Covid-19 Immunization Monitoring Data System

## Structure of Covid-19 Vaccination

**Data as of May 28, 2024, 18:00.**

<table>
<thead>
<tr>
<th>Vaccination Stage</th>
<th>Vaccine</th>
<th>Total Vials</th>
<th>Total Inoculated</th>
<th>Cumulative Inoculated</th>
<th>Total Doses</th>
<th>Cumulative Doses</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st Stage</td>
<td>SinoVac</td>
<td>223,785</td>
<td>350,389</td>
<td>13,566,496</td>
<td>4,158,965</td>
<td>6,830,715</td>
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<tr>
<td></td>
<td>AstraZeneca</td>
<td>96,642</td>
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<td>Sinopharm</td>
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<td>1,141,623</td>
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<tr>
<td></td>
<td>Pfizer</td>
<td>1,353</td>
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<td>33,219</td>
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<tr>
<td>2nd Stage</td>
<td>SinoVac</td>
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<td></td>
<td>AstraZeneca</td>
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<td>701,528</td>
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<td>Sinopharm</td>
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<td>400,101</td>
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<tr>
<td></td>
<td>Pfizer</td>
<td>1,643</td>
<td></td>
<td>13,622</td>
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<td>3rd Stage</td>
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<td>Pfizer</td>
<td>43,510</td>
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<td>82,993</td>
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</table>

**Source:** Ministry of Public Health Immunization Center (MOH Immunization Center)

Data as of May 28, 2024, 18:00.
Progress

- Thailand has started Covid-19 vaccination since 28 February 2021.
- As of 9 August 2021, 21.1 million doses have been administered. 16.3 millions (22.7%) are partly vaccinated and 4.6 millions (6.3%) are fully vaccinated.
- Around 3-5 hundred thousands doses are administered each day.
- Four vaccines (Sinovac, AstraZeneca, Sinopharm and Pfizer) have been distributed throughout the country.
- Ministry of Public Health arranges a regular meeting with all Regional Health Inspectors and Provincial Health Offices to strengthen and monitor vaccine implementation.

Challenges

- Shortage of global vaccine supply, and increasing trend of Covid infection since the end of 2020 created high demand among population.
- Ministry of Public Health had to re-allocate national vaccine distribution plan to match the demand.
- Social media and rumor caused confusion and hesitancy on some vaccines among target population.

Way forward

- To raise immunity against Covid-19, vaccine supply in Thailand has to be secured. MOPH has been exploring as much as possible options with various vaccine manufacturers to secure sufficient Covid-19 vaccine doses in late-2021 and 2022.
Thank you