



# Muiden maiden suositukset 3. annosten käyttöindikaatioista ja käytetyistä rokotteista / annoskoosta

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6.4.2022

Terveyden ja hyvinvoinnin laitos

## Interim public health considerations for the provision of additional COVID-19 vaccine doses

1 September 2021

### Key messages

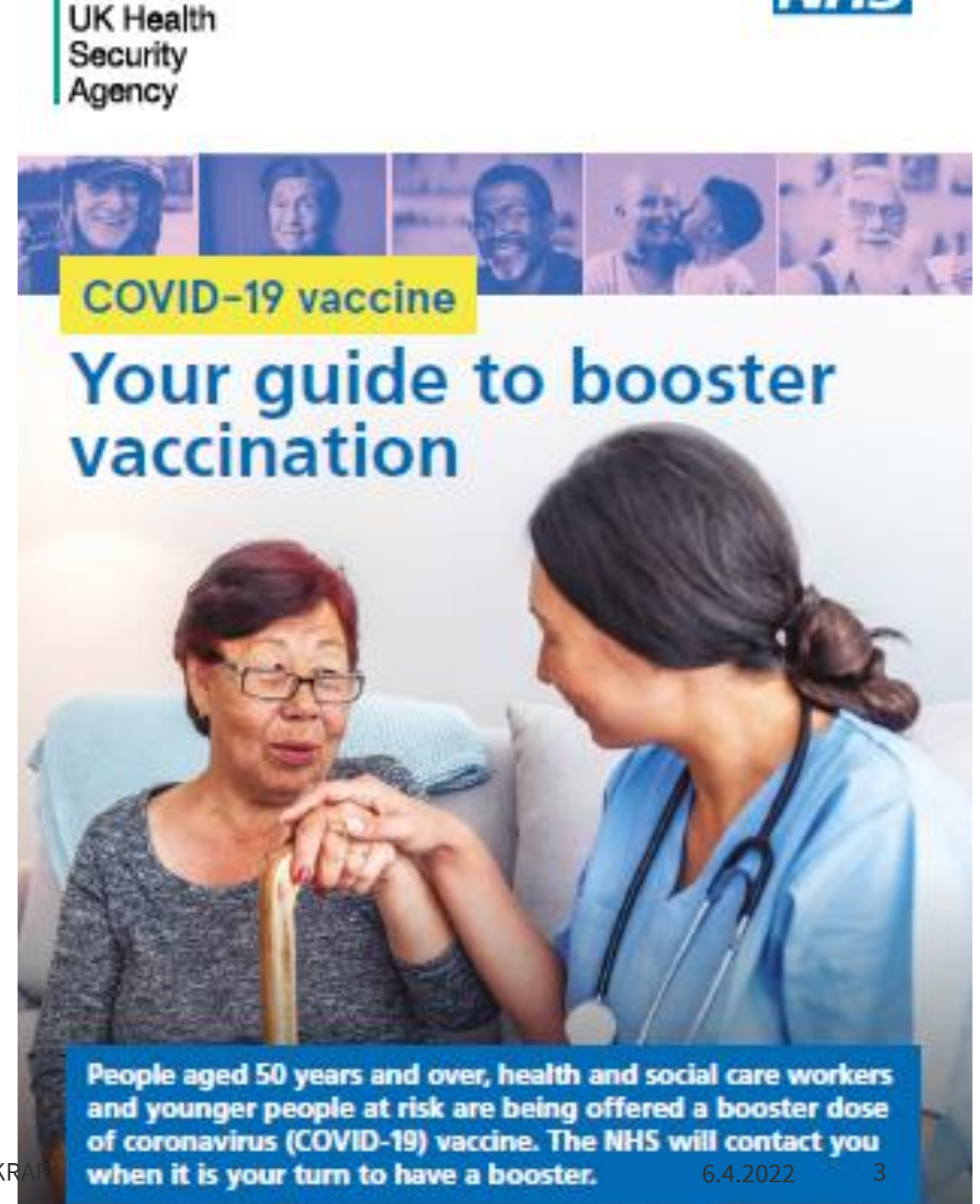
- **Providing all eligible individuals** with the recommended dose regimen should remain the current priority for COVID-19 vaccination programmes in the European Union/European Economic Area (EU/EEA).
- It is important to **distinguish between 'booster' doses for people who responded adequately to primary vaccination and additional doses for those with weakened immune systems who did not respond adequately**. Booster doses are given to vaccinated people (i.e. those who have completed a primary series of COVID-19 vaccination) to restore protection after it would have waned. On the other hand, additional doses as part of a primary vaccination series may be given to people with severely weakened immune systems, as they may not achieve an adequate level of protection from the standard primary vaccination.
- When assessing the need for possible booster doses of COVID-19 vaccine from the public health perspective, it is important to keep in mind the main objective of the vaccination strategy (i.e. preventing severe cases of COVID-19). **Vaccine effectiveness against severe disease should**



# Lokakuun alussa moni maa päättänyt aloittaa 3. annoksien annon

Ensimmäiseksi vakavasti immuunivajavaiset, sitten

- Ruotsi: hoitolaitoksessa asuvat,  $\geq 80$ v
- Norja: kaikki 65 v täyttäneet
- Tanska: ?
- UK:  $\geq 50$ v ja lääketieteelliset riskiryhmät



UK Health Security Agency

COVID-19 vaccine

## Your guide to booster vaccination

People aged 50 years and over, health and social care workers and younger people at risk are being offered a booster dose of coronavirus (COVID-19) vaccine. The NHS will contact you when it is your turn to have a booster.

6.4.2022 3

The poster features a grid of diverse people's faces at the top. The main image shows a healthcare worker in blue scrubs holding the hand of an elderly woman with glasses and a cane. The NHS logo is in the top right corner.

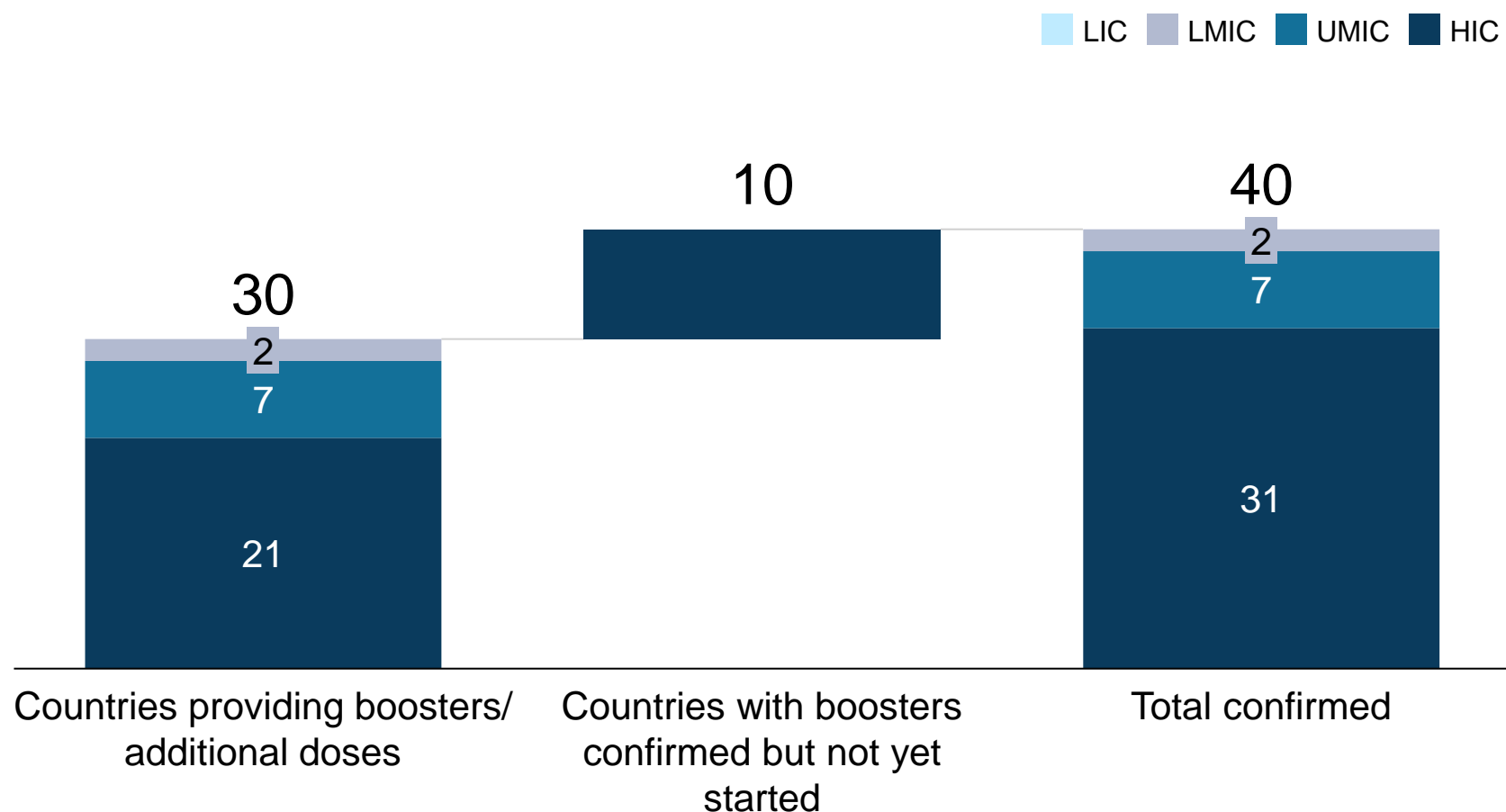
# WHO SAGE:n lokakuun kokouksen taustamateriaaleja viime viikolta

# 40 countries have already confirmed a COVID-19 vaccine boosters/additional doses

PLEASE NOTE: WHO DOES NOT RECOMMEND ANNUAL BOOSTER SHOTS AND HAVE CALLED FOR A TWO-MONTH VACCINE BOOSTER MORATORIUM

INDICATIVE // NON-EXHAUSTIVE

## Status of COVID-19 booster / additional dose administration, # of countries



## Key take-aways

- 30 countries already started administering boosters/ additional doses as of Sep. 22:
  - 2/3 of these, are HICs
  - 2 LMICs: Indonesia & Cambodia, both for HCWs only
  - UAE was the 1st country to start a booster programme in May 2021
- 10 HICs confirmed a booster programme but have not started it yet
- At least 11 other countries are considering a booster programme

# Keille annetaan 3. koronarokoteannoksia ?











Tiedot 40 eri maan osalta, tilanne 22.9.2021

- Ikäihmiset  
ikäraja vaihtelee 50+ / 60+ / 65+ / 70+ / 80+ / 86+ vuotta
- Immuunivajavaiset
- Sosiaali- ja terveydenhuollon ammattilaiset
- Sekä homologista että heterologista annostelua käytetään
- Aikaväli 2. annoksesta 3. annokseen vaihtelee riippuen kohderyhmästä

# At least 30 countries are already administering booster/additional doses (1/3)

PLEASE NOTE: WHO DOES NOT RECOMMEND ANNUAL BOOSTER SHOTS AND HAVE CALLED FOR A TWO-MONTH VACCINE BOOSTER MORATORIUM

INDICATIVE // NON-EXHAUSTIVE

Status	Country	Prioritized groups			Vx to require booster	Vx used for booster	Start	Comment
		Elderly	ICP <sup>1</sup>	HCW <sup>2</sup>				
Booster campaign started	 UAE	✓	✓	✓	Sinopharm	Pfizer/Sinopharm	May-21	Concerns over insufficient anti-body response related to Sinopharm. Available 6 months (Abu Dhabi) or 3 months (Dubai) after 2 <sup>nd</sup> shot
	 Bahrain	✓	50+ ✓	✓	Sinopharm	Pfizer	Jun-21	Prioritized groups to receive booster 6 months after second shot
	 Turkey	✓	50+	✓	Pfizer, SinoVac	Pfizer	Jun-21	2 <sup>nd</sup> course of mRNA vaccine available for vaccination passport On Sep 10 <sup>th</sup> announced that third doses have cut hospitalization rates
	 Dominican Republic	✓	✓	✓	AZ, SinoVac	Pfizer/AZ	Jul-21	Booster is voluntary. 12 weeks after 2nd shot for AZ, 4 weeks after 2nd shot for Sinovac. Pfizer not yet incl.in plan (started arriving 11 June)
	 Israel	✓	60+ ✓	✓	Pfizer	Pfizer	Jul-21	Gradually expanding program – since Aug 24, third shots have been available to everyone 30+. Eligible for booster 5 months after 2 <sup>nd</sup> dose
	 Russia	✓	✓	✓	Sputnik	Sputnik	Jul-21	Russia has started booster shots for people who have been immunized more than 6 months ago
	 Thailand			✓	Sinovac	AZ/Pfizer	Jul-21	Booster shots will be administered to ~3 million people who have already received their two shots
	 Luxembourg	✓	✓		Pfizer, Moderna, Janssen	Pfizer, Moderna, Janssen	Jul-21	No plans to offer boosters for the general population; only prioritized groups
	 Indonesia			✓	Sinovac	Moderna	Aug-21	Currently started in Jakarta; targeted to reach 1.5 million medical workers within 2 weeks
	 Hungary	✓	✓		AZ, Janssen, Moderna, Pfizer, Sinopharm, Sputnik	AZ, Janssen, Moderna, Pfizer, Sinopharm,	Aug-21	Offered to everyone 4 months after second dose; Government's official guidelines suggest a mix-and-match vaccination regimen, with final decision left to GPs  No priority groups; elderly and ICP are encouraged to get booster shot












<sup>1</sup> Immunocompromised population

<sup>2</sup> Health care workforce

# At least 30 countries are already administering booster/additional doses (2/3)

PLEASE NOTE: WHO DOES NOT RECOMMEND BOOSTER SHOTS AND HAVE CALLED FOR A TWO-MONTH VACCINE BOOSTER MORATORIUM

INDICATIVE // NON-EXHAUSTIVE

Status	Country	Prioritized groups			Vx to require booster	Vx used for booster	Start	Comment	
		Elderly	ICP <sup>1</sup>	HCW <sup>2</sup>					
Booster campaign started	 Cambodia			✓	Sinopharm/ Sinovac	AZ/Sinovac	Aug-21	Offered to everyone 12+ years; priorities for the boosters are medical staff, government employees and frontline workers	
	 Lithuania	✓	✓	✓	Not specified	Pfizer	Aug-21	Booster given to ICP 180 days after 2 <sup>nd</sup> dose; everyone who wants a third dose would be eligible in Q4	
	 Serbia	✓	✓	✓	Not specified	Not specified	Aug-21	Booster recommended for ICP and elderly but anyone vaccinated 6 months ago is eligible	
	 Chile	✓	86+		Sinovac	Pfizer, AZ	Aug-21	Administering booster shots to those already inoculated with Sinovac's COVID-19 vaccine; plan to widen to 55+	
	 Iceland				Janssen	Pfizer, Moderna	Aug-21	People who received Janssen vaccine will be offered one dose of Pfizer/BioNTech or Moderna vaccine after at least 8 weeks	
	 Puerto Rico			✓	Not specified	Not specified	Aug-21	ICP at least 28 days after the second dose (~60k qualified residents)	
	 Denmark			✓	Not specified	Pfizer, Moderna	Aug-21	Booster dose to be offered to ICP	
	 Cuba				Soberana 2	Soberana Plus	Aug-21	Booster dose for Cuban two-shot Soberana 2 vaccine to increase efficiency	
	 UK	✓	50+	✓	✓	Not specified	Pfizer, Moderna, AZ	Sep-21	50+ people, health and social care workers and younger people at risk are being offered a booster dose 6 months after final dose
	 USA	✓	65+	✓	✓	Not specified	Pfizer, Moderna	Sep-21	Only high risk people, elderly and healthcare providers; FDA advisory group rejects COVID boosters for general population
	 Germany	✓		✓		Not specified	Pfizer/ Moderna	Sep-21	In addition to the elderly and ICP, Germany wants to offer the booster to people fully vaccinated with the AZ and J&J vaccines

<sup>1</sup> Immunocompromised population










<sup>2</sup> Health care workforce



# At least 30 countries are already administering booster/additional doses (3/3)

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INDICATIVE // NON-EXHAUSTIVE











Status	Country	Prioritized groups			Vx to require booster	Vx used for booster	Start	Comment	
		Elderly	ICP <sup>1</sup>	HCW <sup>2</sup>					
Booster programme started	 France	✓	75+	✓	Not specified	Pfizer/ Moderna	Sep-21	Decision about vaccinating general population with a booster has not been made yet	
	 Malta	✓		✓	Not specified	TBC	Sep-21	Only elderly in care homes; decision on whether to extend booster campaign to entire population outstanding	
	 Sweden	✓		✓	Not specified	Not specified	Sep-21	Roll-out for high risk population to begin; Swedish Public Health agency expects third dose administration next year for gen population	
	 China	✓	60+	✓	✓	Sinopharm	Sinopharm, CanSinoBio	Sep-21	Only high-risk population initiated; currently conducting trials on the need for booster shots 6 months after the beginning of the inoculation drive; also considering foreign booster
	 Uruguay					Sinovac	Pfizer	Sep-21	Specifically targeted at citizens who originally received Sinovac
	 Singapore	✓	60+	✓		Not specified	Pfizer, Moderna	Sep-21	Singapore kicked off its national Covid-19 vaccine booster programme on Sep 15 with ~3,200 seniors receiving the jabs
	 Czech Republic					Not specified	Pfizer, Moderna	Sep-21	Option to have a booster shot will apply to everyone no earlier than eight months after final dose (four weeks for ICP)
	 Qatar	✓	65+	✓	✓	Not specified	Pfizer, Moderna	Sep-21	Priority is given to citizens who are highest risk of infection, despite everyone being eligible
	 Italy	✓	80+	✓	✓	Not specified	Pfizer, Moderna	Sep-21	Booster dose to be offered to prioritized groups only; at least six months after the 2 <sup>nd</sup> dose for all groups (except ICP – only 28 days)

<sup>1</sup> Immunocompromised population

<sup>2</sup> Health care workforce

# At least 10 other countries have confirmed to start offering booster/additional doses

INDICATIVE // NON-EXHAUSTIVE

Status	Country	Prioritized groups			Vx to require booster	Vx used for booster	Start	Comment	
		Elderly	ICP <sup>1</sup>	HCW <sup>2</sup>					
Booster programme confirmed, yet to be started	 Portugal	✓	✓		Not specified	Not specified	Sep-21	Only offering booster shots to risk group (~100,000 people)	
	 Bermuda	✓	50+	✓	✓	Not specified	Pfizer, Moderna	Sep-21	Will likely follow US policy
	 Greece	✓	60+	✓	✓	Not specified	Pfizer, Moderna	Sep-21	Booster dose to be offered to prioritized groups only; decision on general population outstanding
	 Ireland	✓	80+	✓	✓	Not specified	TBC	Sep/Oct-21	Additionally, Boosters will be offered to residents of care facilities who are 65+; roll-out date could match flu-shot roll-out date
	 Gibraltar	✓	50+	✓	✓	Not specified	Pfizer	Sep/Nov-21	Booster vaccinations will be scheduled once the necessary supply of Pfizer BioNtech vaccine is delivered from the UK
	 Belgium			✓		Any	Pfizer/Moderna	Sep/Nov-21	ICP consist of 300-400k people; eligible people to be invited automatically based on medical records
	 Austria	✓	65+	✓	✓	Any	Pfizer/Moderna	Oct-21	Booster shot offered 6-9 months after first course to care home residents, 65+ yrs, high risk population and AZ/J&J recipients; 12 months for other 18+ people; ICP to start earlier with medical note
	 Cyprus	✓	65+	✓	✓	Not specified	Pfizer, Moderna	TBC	Booster dose to be offered to prioritized groups only
	 Latvia			✓		Not specified	Not specified	TBC	Booster dose to be offered to ICP; decision on general population outstanding
	 Canada			✓		Not specified	Not specified	2022	Canada is planning for booster shots in 2022 and led negotiations with manufacturers, esp. for fast-track authorization (status from mid-April)

<sup>1</sup> Immunocomprised population

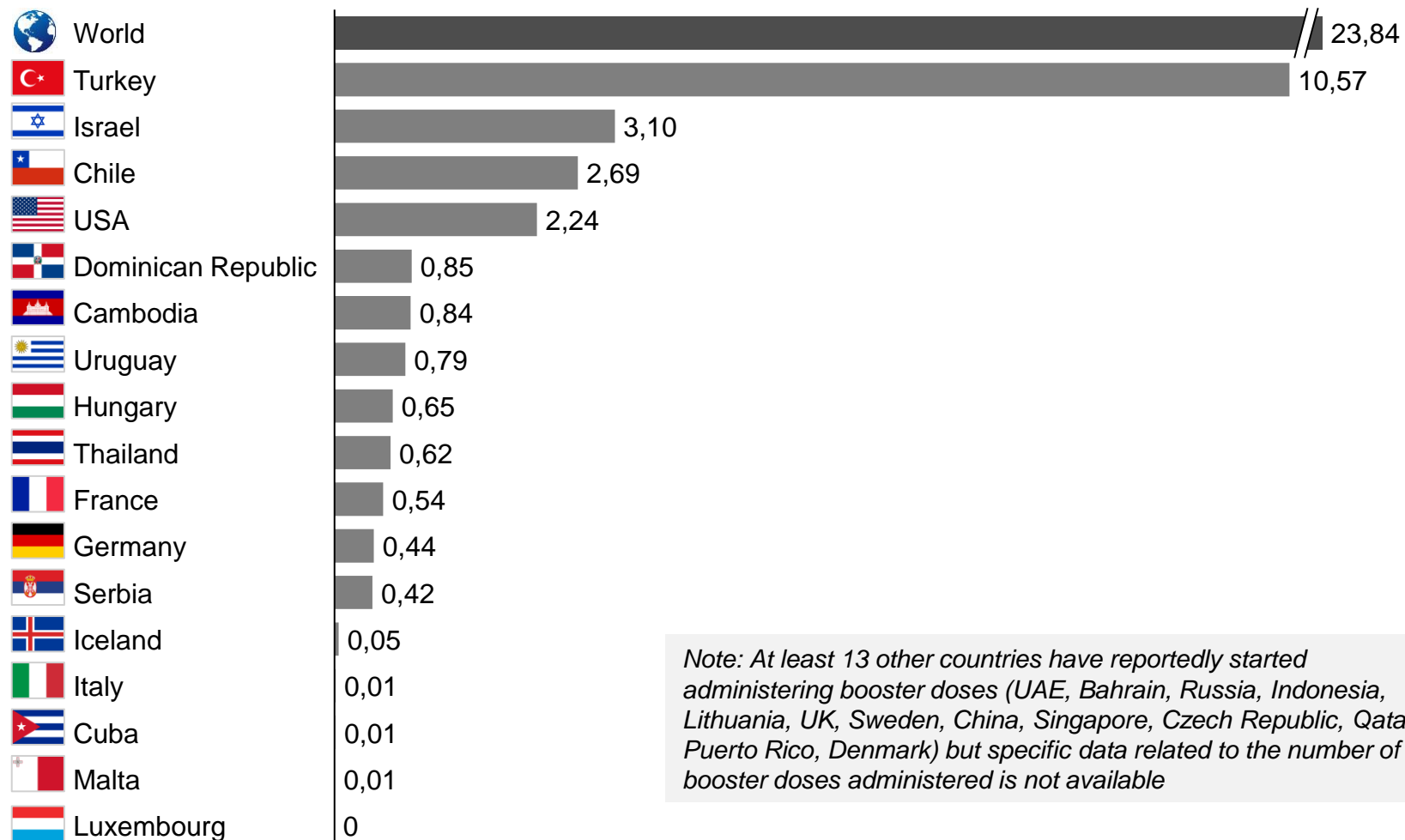
<sup>2</sup> Health care workforce

# At least 23M booster doses have been administered globally

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INDICATIVE // NON-EXHAUSTIVE

## Total number of booster doses administered, #M doses



Note: At least 13 other countries have reportedly started administering booster doses (UAE, Bahrain, Russia, Indonesia, Lithuania, UK, Sweden, China, Singapore, Czech Republic, Qatar, Puerto Rico, Denmark) but specific data related to the number of booster doses administered is not available

- At least 17 countries have started administering booster doses
- ~24M booster doses have been administered globally incl. ~10M in Turkey only
- Booster doses represent ~0.4% of the total number of doses administered (24M doses out of 5,950M)

# The WHO stand on additional doses / booster doses

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WHO's primary objective of SARS-CoV-2 vaccination is **preventing hospitalizations and deaths globally**

Robust evidence on waning VE against severe hospitalizations/deaths is still lacking. **Current data on well maintained VE against severe disease remains encouraging** while WHO notes waning VE against mild breakthrough infections

**From the global perspective, increasing the first dose coverage globally will have a higher public health impact** compared to increasing 3<sup>rd</sup> dose coverage in a small number of countries

Therefore, WHO proposes a **moratorium** on the use of booster doses until global vaccine coverage targets have been reached and more robust data are available on the (1) public health need for a 3<sup>rd</sup> dose and (2) booster dose performance assessments have been conducted

WHO acknowledges the need for **ongoing evaluation of VE over time**

WHO acknowledges that **special subpopulations** (immune compromised or older persons, for example) will require special attention