National COVID-19 Immunization Campaign Israel

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Dr. Roee Singer Deputy Director – Division of Epidemiology Ministry of Health Israel

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Introduction – The State of Israel



- 9.3M people
- Young population
 - (2.8m < 16)
- 22,145 km² (8,550 mile²)
- Public health system
 - Hospitals
 - 4 HMOs nationally distributed





- 1. Base campaign on existing community health system
- 2. Vaccinate as rapidly as possible to reduce morbidity and mortality
- 3. No compromise on safety
- 4. Prioritizing by simple criteria: 60+, medical staff, first responders.
- 5. Encourage vaccine uptake fight fake news
- 6. National Electronic Medical Records (EMR) to track progress and adverse events, identify weaknesses, and manage risk
- 7. Transparency to public

Israeli Health System Strengths



- 1. Strong, centralized national health system
- 2. National Health Insurance; coverage for all residents
- 3. 4 competing but cooperating national HMO's
- 4. Personal ID numbers from birth
- 5. All community health care documented in EMRs
- MoH has linked data on every COVID test, and every immunization dose
- 7. Extensive experience in Emergency Preparedness and Response
- 8. National psyche geared towards mobilizing in a crisis

Challenges

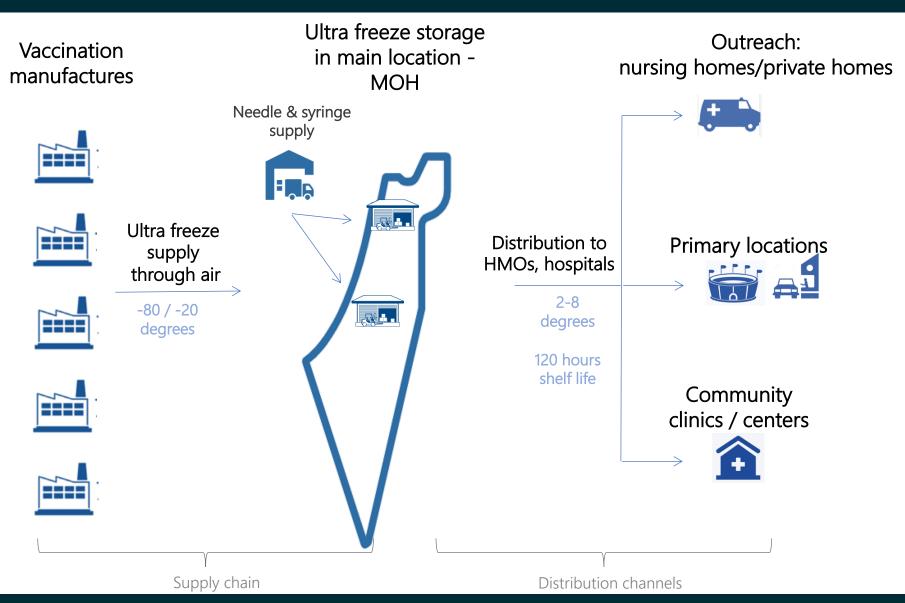


- 1. First time ever emergency national vaccination campaign of this scale
- 2. Unknown willingness of general population to get immunized
- 3. Health system distracted with COVID cases and absenteeism
- 4. Ultra cold storage requirements, short shelf life in 2-8 degrees
- 5. Limited information on product stability
 - transfer between vaccination sites not possible.
- 6. Regulatory requirements (quality, batch release and more)
- 7. Unknown supply schedule

Operations & Logistics

- Centralized control & planning through Covid-19 Vaccination Control Center under the Ministry of Health (MOH)
- Immunization by HMO's (not obvious from the outset)
- Ultra freeze storage at central locations by MOH subcontractors
- Securing 2nd dose for each 1st dose distributed.
- Distribution in 2-8 degrees in short cycles:
 - Weekly planning based on allocation for each vaccinating unit & prioritized criteria (age, occupation etc.)
 - 3 shipments/week for each location to avoid wastage.

Israel supply chain and distribution channels



משרד הבריאות

The first recipient: Dec 19, 2020

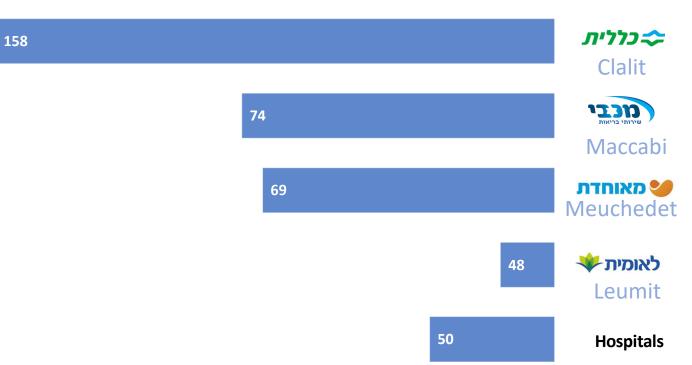




Immunization sites

Approx 400 Immunization sites









Up to 400 sites, delivering peak of 100,000 - 200,000 doses per day.



Vaccinating 7 days a week.

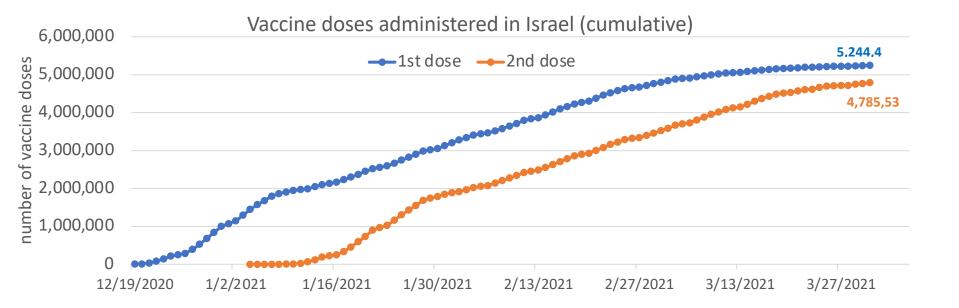


Less than 2% no-show for 2nd dose.



Vaccine doses administered in Israel





Updated 31/03/2021

Breakdown by age group



Total 10.2 million doses	5.3 million citizens immunized	4.8 million "protected"
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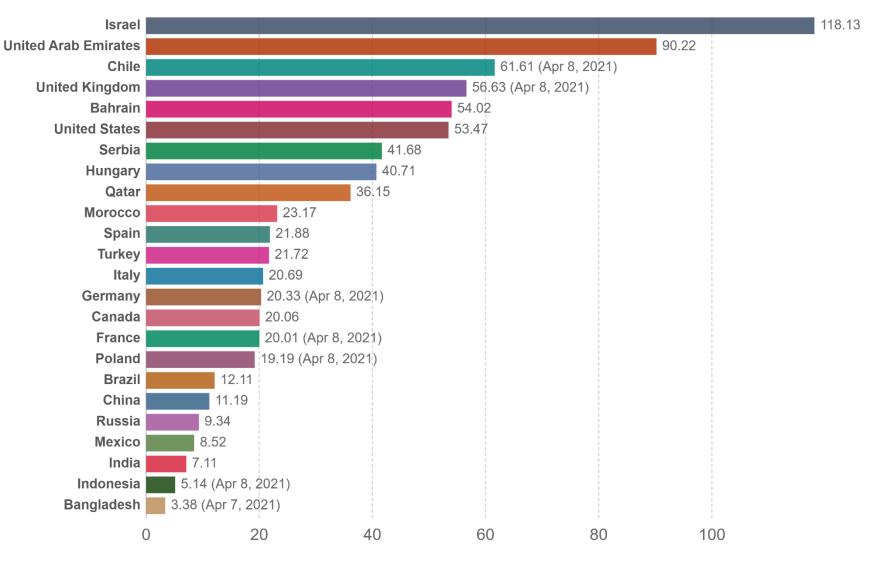
Age group	Immunized (000's)	Recovered (000's)	Population (000's)	% immunized	% 60+	% 50+	% recovered	Remain to immunize (#)
16*-19	329	63	591	56%			11%	
20-29	966	121	1,318	73%			9%	741
30-39	942	86	1,206	78%			7%	741
40-49	914	64	1,111	82%			6%	
50-59	747	42	875	85%			5%	85
60-69	662	23	749	88%	87%	87%	3%	
70-79	479	10	531	90%	(91%)	(91%)	2%	143
80+	265	3	308	86%			2%	
Missing data	6	-	-	-		-	-	-

Israel's population: 9.3 million

Updated to Apr 11, 2021

COVID-19 vaccine doses administered per 100 people, Apr 9, 2021

Total number of vaccination doses administered per 100 people in the total population. This is counted as a single dose, and may not equal the total number of people vaccinated, depending on the specific dose regime (e.g. people receive multiple doses).

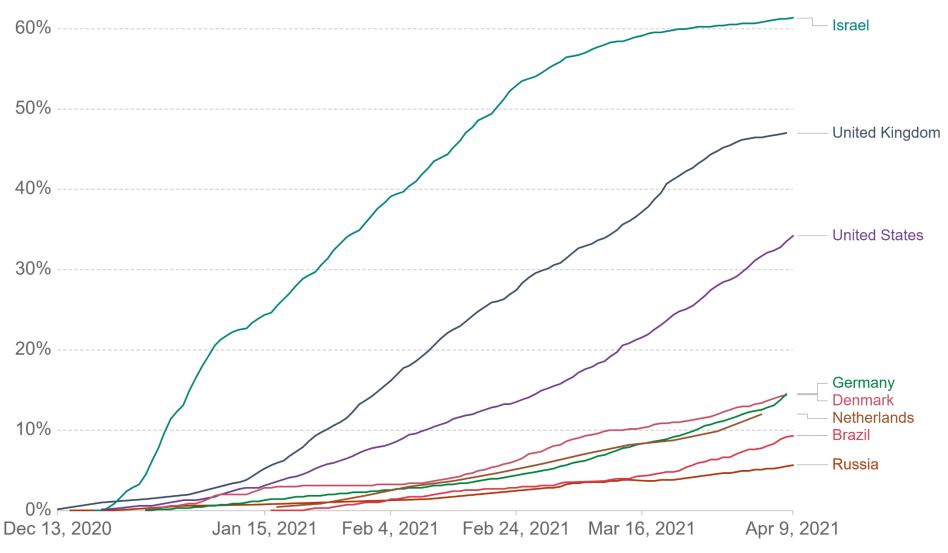


Source: Official data collated by Our World in Data – Last updated 10 April, 09:52 (London time)

Our World in Data

Share of people who received at least one dose of COVID-19 vaccine

Share of the total population that received at least one vaccine dose. This may not equal the share that are fully vaccinated if the vaccine requires two doses.



Our World in Data

Lessons

- Central management and distribution
- Team work!
- Broad, easily identified priority groups
- Central EMR
- Manage public perceptions



