

# Digital Health and The Israeli COVID-19 Response

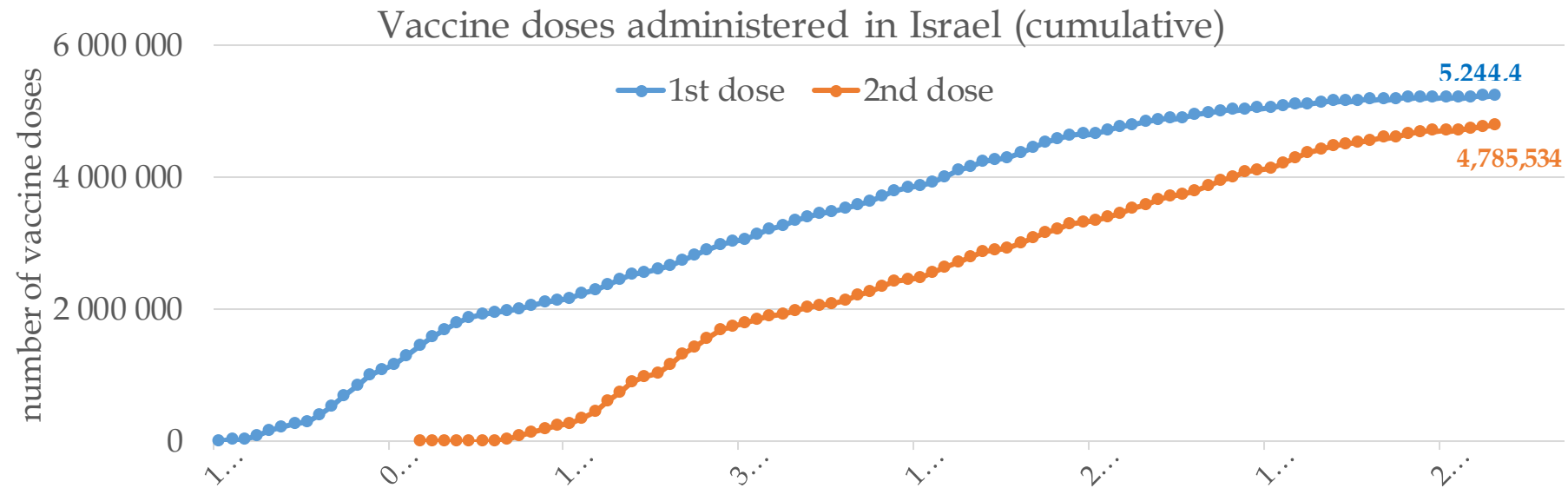
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Deputy Director - Division of Epidemiology

Ministry of Health

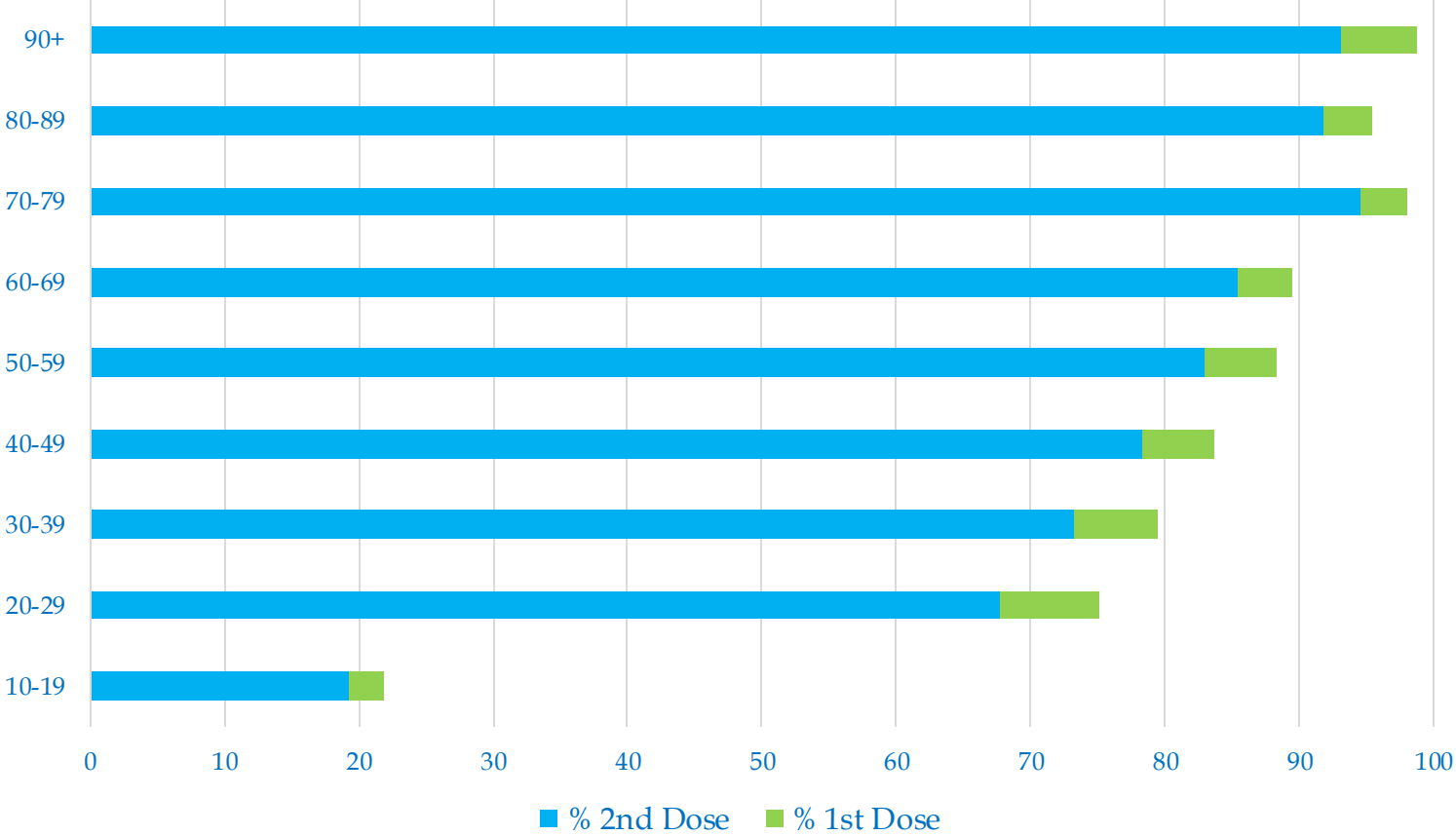
Israel

# Vaccine doses administered in Israel

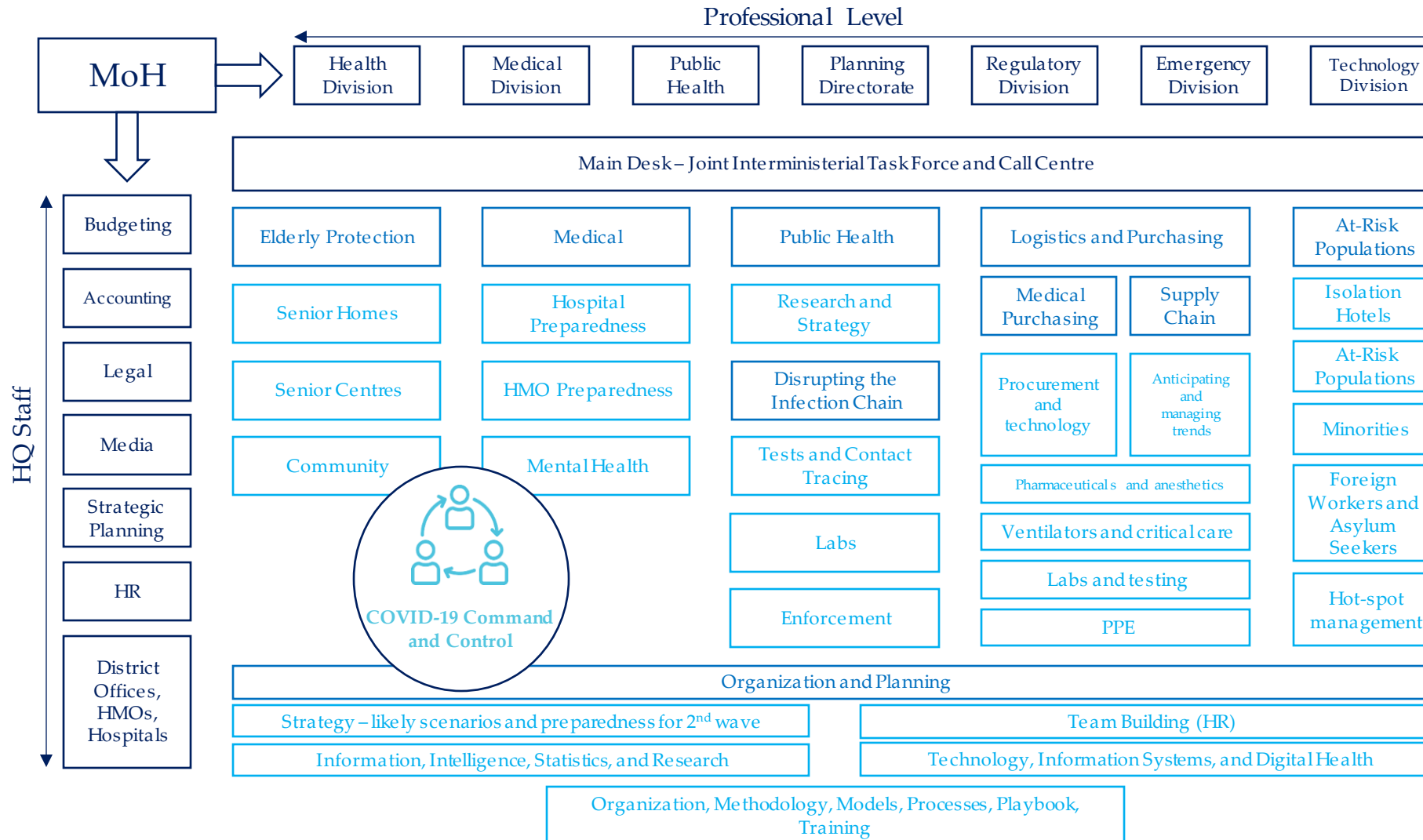


# Percent Vaccinated

## Vaccinations by age group



# COVID-19 Operational Structure



# 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 Electronic Medical Records (EMR's)
6. MoH has centrally 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
9. Willing cooperation of all participating health organizations

# Digital Health in the COVID-19 response

- Centralized health information systems:
  - Test results, with immediate text message notification
    - And thus, real-time national pandemic picture
  - Immunization records
  - COVID hospitalization records\*
  - Mortality data\*
  - COVID call center
  - Vaccine supply chain

\*Not entirely digital

# Traffic Light System

- Updated system for dealing with the rate of infection while also allowing safe economic reopening
- Decided by comparing three variables:
  - N – new cases per 10,000 residents
  - G – doubling ration ( $R_0$ )
  - P – percent of total tests which were positive
- Zones are re-evaluated as needed, and at least biweekly

## Red Zones

- Cities with especially high rate of infection
- 10 people indoor gathering
- 20 people outdoor gathering

## Orange Zones

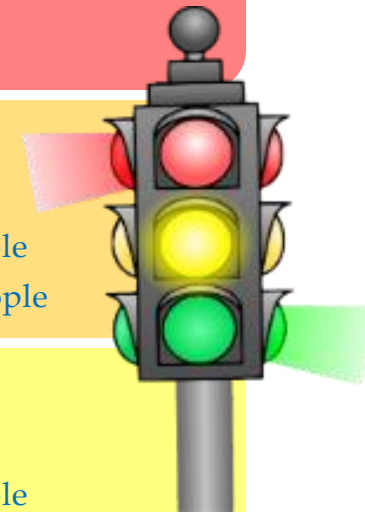
- Cities with high rate of infection
- 20% capacity indoor gatherings, no more than 25 people
- 40% capacity outdoor gatherings, no more than 50 people

## Yellow Zones

- Cities with medium rate of infection
- 40% capacity indoor gatherings, no more than 50 people
- 60% capacity outdoor gatherings, no more than 100 people

## Green Zones

- Cities with low rate of infection
- 60% capacity indoor gatherings, no more than 100 people
- 90% capacity outdoor gatherings, no more than 250 people



# Green Pass v. Vaccination Certificate

## Green Pass (Domestic Use)



  
**מיניסטריון הבריאות**  
 For a healthier life

**אישור מעבר**

מסמך זה הינו מסמך רשמי אשר מהווה אישור כניסה  
עבור בעלי תעודות הזהות הבאים:

תוקף האישור עד ה- **26.11.2020**



ת.ז. | ת.לידה: **65784355** | 15.11.2010

ת.ז. | ת.לידה: **30028364** | 15.11.2008

ת.ז. | ת.לידה: **20563947** | 15.11.1984



## Vaccination Certificate (International Use)

<b>Miram Wechsler Lindenfeld</b> Full Name	<b>מרים וקסלר לינדנפלד</b> שם מלא				
<b>57738870</b> Passport Num.	<b>208067356</b> מס. תעודת זהות				
<b>15.11.94</b> Date of Birth	<b>15.11.94</b> תאריך לידה				
תאריך תפוגת התוקף Expiration Date <b>19.09.2021</b>	תאריך כניסה לתוקף Inoculated Since <b>19.09.2020</b>				
	<table style="width: 100%;"> <tr> <td style="width: 60%; padding: 5px;"> <b>12.08.2020</b>                              Covid19 BNT162b2,                              Pfizer, EK4174                              קופ"ח מכבי Maccabi                         </td> <td style="width: 40%; padding: 5px; text-align: center;">                             מנה DOSE  <b>01</b> </td> </tr> <tr> <td style="padding: 5px;"> <b>12.08.2020</b>                              Covid19 BNT162b2,                              Pfizer, EK4174                              קופ"ח מכבי Maccabi                         </td> <td style="padding: 5px; text-align: center;">                             מנה DOSE  <b>02</b> </td> </tr> </table>	<b>12.08.2020</b> Covid19 BNT162b2, Pfizer, EK4174 קופ"ח מכבי Maccabi	מנה DOSE <b>01</b>	<b>12.08.2020</b> Covid19 BNT162b2, Pfizer, EK4174 קופ"ח מכבי Maccabi	מנה DOSE <b>02</b>
<b>12.08.2020</b> Covid19 BNT162b2, Pfizer, EK4174 קופ"ח מכבי Maccabi	מנה DOSE <b>01</b>				
<b>12.08.2020</b> Covid19 BNT162b2, Pfizer, EK4174 קופ"ח מכבי Maccabi	מנה DOSE <b>02</b>				
					



# Uses for Green Pass and VC

## Locations Operating the Green Pass

08.04.2021

חוזרים לחיים

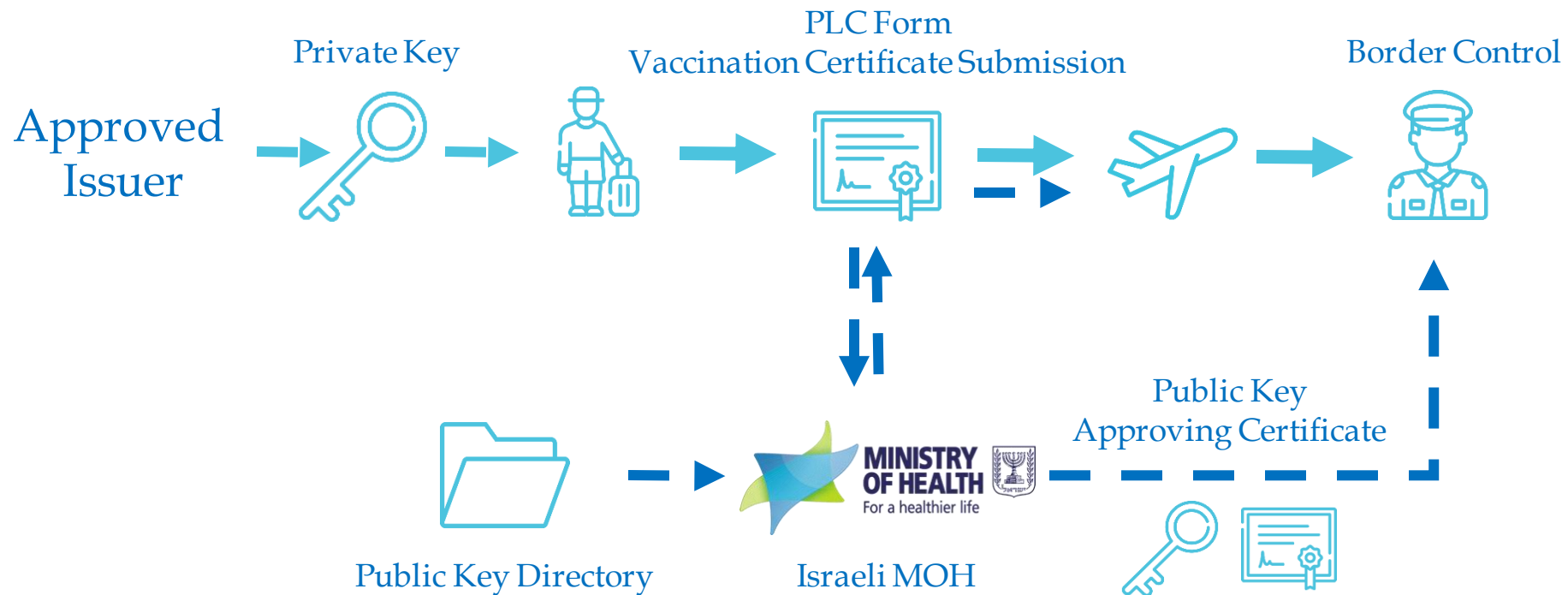
- Restaurants and coffee shops (for inside seating)
- Culture halls
- Sports halls and stadiums
- Event halls and gardens  
With a negative PCR test within 48 hours
- Gyms
- Indoor swimming pools and sporting venues
- Clubs
- Hotels Entrance will be permitted to children with a negative PCR test within 48 hours (Only on Passover will negative PCR tests within 72 hours be accepted)
- Classes for adults
- Conferences and exhibitions
- Indoor attractions
- Synagogues, mosques, churches, and other houses of prayer which are certified in advance under the Green Pass

## Locations Operating the Purple Pass

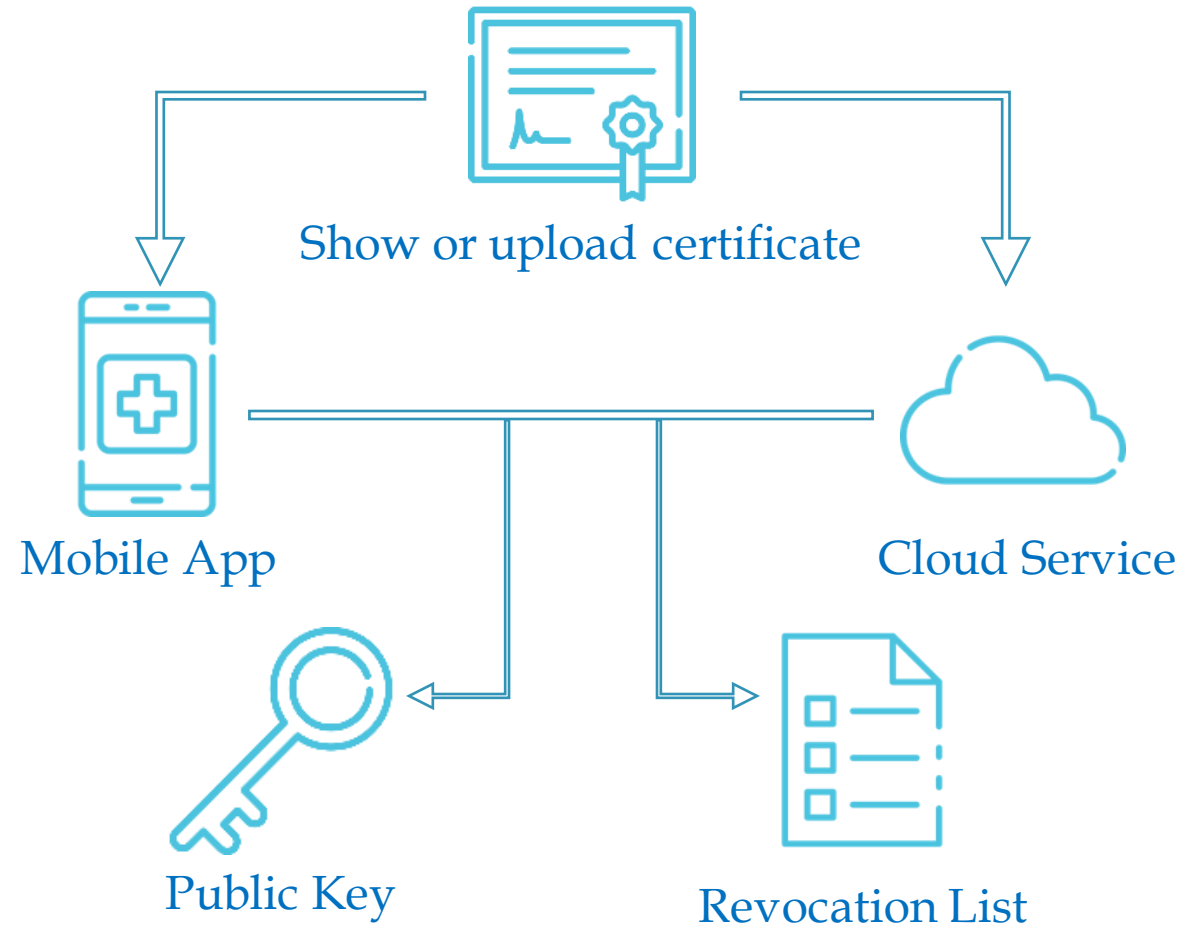
הסגור החדש

- Restaurants and coffee shops (for outside seating)
- Stores, malls, and shopping centers
- Synagogues, mosques, churches, and other houses of prayer  
Limit on gathering: 20 inside, 100 outside
- Alternative medicine, hairdressers, and beauty treatments
- Markets
- Outdoor swimming pools
- Outdoor attractions
- Outdoor extracurricular activities for children
- Museums
- Libraries
- Bed and Breakfasts
- Parks and nature reserves

# Verification System

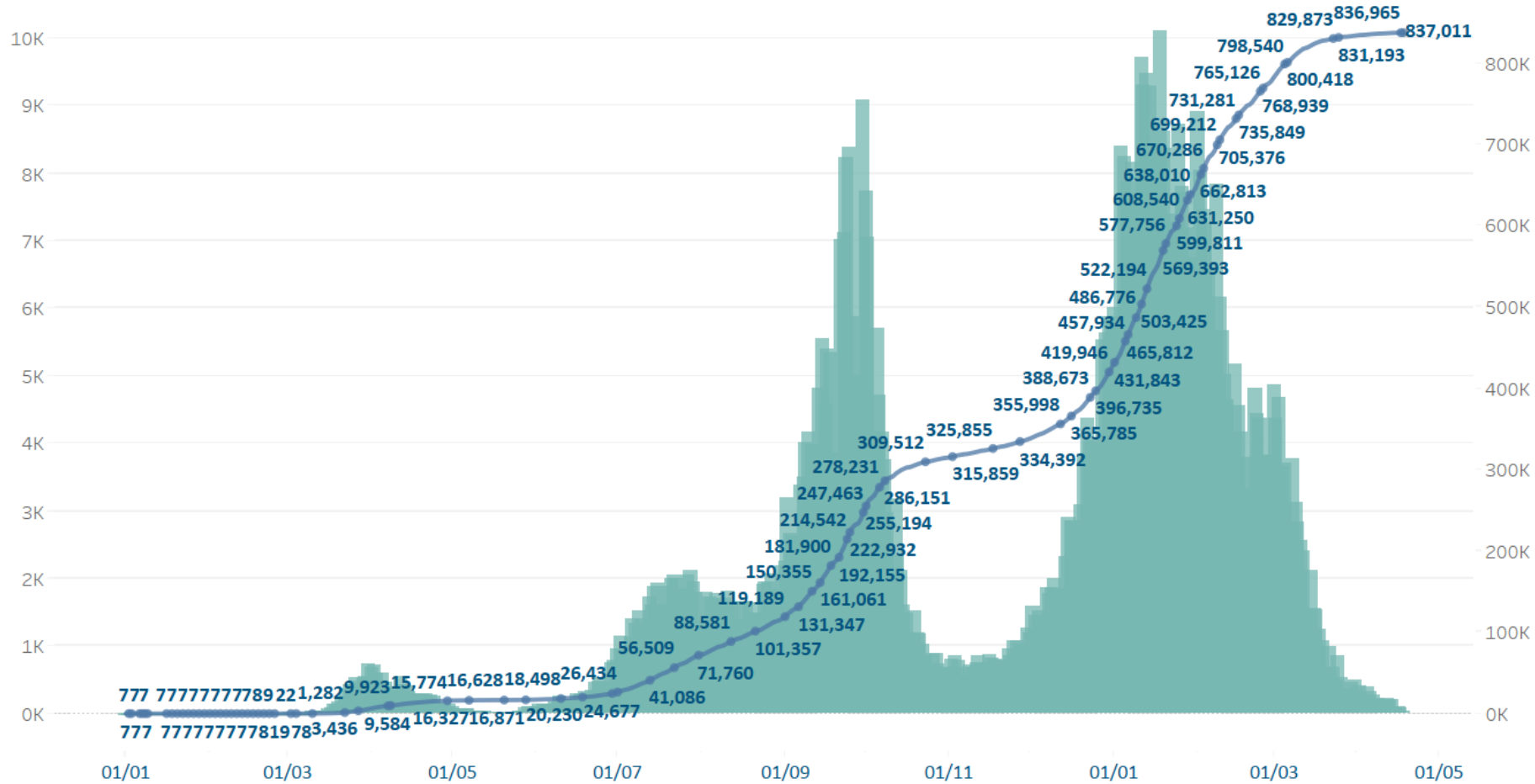


# Verification System



**No online access to patient data**

# Epidemiological Curve 2020-2021



# Lessons Learned



Technological tools were central in targeting patients through integrated national HIE and HMO EMRs, communications and booking systems



Inventory planning and avoiding waste through integration with HMO appointment tracking systems



Documentation and the green pass programme

Thank you