IMMUNIZATION PROCESS AGAINST COVID-19 IN CHILE

PROGRESS, STRATEGIES, CHALLENGES AND LESSONS

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PILLARS OF THE VACCINATION PROCESS AND CONTEXT

- History of the National Immunization Program and vaccination culture
- Negotiation and diversification of the supply strategy
- Technical advice from the scientific area and academic advice
- Communication strategy with technical-scientific emphasis
- Robust Health and Primary Health Care Network throughout the territory
- Coordination, planning and efficient logistics of the State
- Strengthening of HR, infrastructure and cold chain

PANDEMIC

- World Economic crisis
- Social and mobility restrictions
- Unprecedented technological development
- Stress of health systems
Continent: America - South America
Capital: Santiago
Total population 2022: 19,828,563 p.
Regions: 16
Communes or municipalities: 346
Border countries: Peru - Bolivia - Argentina
Kilometers length: 4,270 km

Source: Immunization Department report, preliminary data on the SARS-CoV-2 vaccination campaign, 02-08-2022
OPERATION FOR THE INTRODUCTION OF COVID-19 VACCINES

1. Regulatory aspects of COVID vaccines
   - Emergency registration in regulatory agencies
   - Clinical studies and scientific evidence for more than 300 vaccine projects

2. Import of vaccines
   - Commercial agreement with each laboratory/COVAX
   - Interministerial articulation and public-private collaboration for importing vaccines to Chile.

3. Vaccine quality control (ARN)
   - Authorization for use and distribution in the national territory
   - Permanent updating of new evidence

4. Distribution planning
   - Specialized Pharmaceutical Logistics Operator
   - Differential management of each vaccine used in the campaign (Pfizer/Sinovac/AZ/CanSino)

5. Vaccine storage (DVI/SEREMI)
   - Network of 26 warehouses of Health nationwide
   - Logistics and cold chain strengthening plan of the PNI at all levels

6. Deliver vaccines to vaccinators
   - Public and private vaccinators withdraw vaccines from warehouses
   - Logistics strengthening, HR and improvement of installed capacity

7. Vaccination target groups
   - Technical guidelines - training
   - Vaccination in the field and massive places
   - Delivery of support resources to additional public vaccinators

8. Vaccination record
   - Nominal registration system
   - Tracking and traceability
   - Vigilance system
   - Mobility pass
   - Vaccination data received abroad
   - Official data of coverage vaccination
SUPPLY OF COVID-19 VACCINES

- Sinovac
- Pfizer/BioNTech
- AstraZeneca
- CanSino
- COVAX/GAVI
- Moderna (2022)

COVAX/GAVI

COVAX/GAVI
MILESTONES OF THE VACCINATION CAMPAIGN

Milestones:
- 12/24/2020: start of vaccination (Health Care Workers)
- 01/18/2021: start of vaccination throughout the country (Health Care Workers)
- 02/03/2021: general population, weekly calendar (avoid crowds)
- 03/15/2021: max. vaccination 430,413 doses (157,860 1st dose + 270,553 2nd dose)
- 06/21/2021: start of vaccination of adolescents (chronic pathologies)
- 08/11/2021: start of vaccination with 1st booster for adults 55+
- 09/13/2021: start vaccination of girls and boys from 6 years (chronic pathologies)
- 12/06/2021: start vaccination of girls and boys from 3 years (chronic pathologies)
- 01/10/2022: start of vaccination with 4th dose (2nd booster) (to immunocompromised)
- 02/07/2022: start of vaccination with 4th dose (2nd booster) to adults 55+

SARS-COV-2 VACCINATION SCHEDULES

**CALENDAR OF VACCINATION COVID-19**

**Between the 21st and the 27th of June**

- **Monday, 21st**: Second dose to the vaccinated population with the first dose between the 24th and the 30th of May.
- **Monday, 22nd**: First dose, ages 19 and under.
- **Wednesday, 23rd**: First dose, ages 18 and under.
- **Monday, 28th**: First dose, ages 19 and under.
- **Wednesday, 30th**: First dose, ages 18 and under.

**Recommendations**

- **Adolescents aged 12 and 17 years old**
- **Vaccination schedule**
- **Second doses**
- **First doses**

**Recommendations for the Vaccination Center of the Sename and centers of attention of mental health**

- **Adolescents aged 12 and 17 years old**
- **Vaccination schedule**
- **Second doses**
- **First doses**

**Vacination emiradidas**

- **Women in the last three months of pregnancy**
- **Vacination schedule**

**Dosages**

- **30 dosages**

**CALANDARIO DE VACUNACIÓN COVID-19**

**Between the 13th and the 17th of September**

- **Monday, 13th**: Adolescents aged 14 to 15 years old with Sinovac.
- **Monday, 14th**: Adolescents aged 14 to 17 years old with Sinovac.
- **Wednesday, 16th**: Adolescents aged 14 to 17 years old with Sinovac.
- **Friday, 17th**: Adolescents aged 14 to 17 years old with Sinovac.

**Comorbidity specific**

- **Intensive medical care (ICU)**
- **Patients under treatment with immunosuppressants or immunodepressants, who are taking hormones and drugs that reduce the immune response**
- **Patients with diabetes (mellitus type 1 and type 2)**
- **Patients with cancer**
- **Patients with chronic respiratory disease**
- **Patients with chronic cardiovascular disease**
- **Patients with chronic gastrointestinal disease**
- **Patients with chronic renal disease**
- **Patients with chronic hepatic disease**
- **Patients with chronic neurological disease**
- **Patients with chronic dermatological disease**
- **Patients with chronic endocrine disease**
- **Patients with chronic renal failure**
- **Patients with chronic respiratory failure (acute and chronic)**

**Vacination recommendations**

- **Women in the last three months of pregnancy**
- **Vacination schedule**

**DOSIS DE REFUERZO MENORES DE 55 AÑOS DEL 13 AL 16 DE SEPTIEMBRE**

**Persons vaccinated with a second dose of Sinovac before the 14th of March**

- **Monday, 13th**: Ages 45 to 54 years old vaccinated before the 1st of March.
- **Tuesday, 14th**: Ages 36 to 44 years old vaccinated before the 1st of March.
- **Wednesday, 15th**: Ages 28 to 35 years old vaccinated before the 2nd of March.
- **Thursday, 16th**: Ages 18 to 27 years old vaccinated before the 7th of March.

**Persons who are immunocompromised from 16 years old**

- **Tranplanted organ recipients**
- **Cancer patients in treatment**
- **Autoimmune diseases**

**Persons vaccinated with a second dose of Sinovac before the 7th of March**

**VACCINATION CHILDREN 3 TO 5 YEARS**

**Between the 20th and the 26th of December**

- **Monday, 20th**: Children aged 3 to 5 years.
- **Monday, 21st**: Children aged 3 to 5 years.
- **Wednesday, 22nd**: Children aged 3 to 5 years.
- **Friday, 24th**: Children aged 3 to 5 years.

**Vaccination schedule for children aged 3 to 5 years**

- **Second doses**
- **First doses**

**Recommendations**

- **Adolescents aged 12 and 17 years old**
- **Vaccination schedule**
- **Second doses**
- **First doses**

**Fuente:** https://www.minsal.cl/calendario-de-vacunacion-masiva-contra-covid-19/
NATIONAL REGISTRY OF IMMUNIZATIONS COVID-19 VACCINES
SARS-COV-2 VACCINATION CHALLENGES IN CHILE

- Booster vaccination and effectiveness
- Vaccination of infants
- Efficacy heterologous schedule
- Efficacy of vaccines against variants of the virus
- Periodicity of vaccination in the medium and long term
- Priority target groups
- New technological platforms for vaccine development
- Opening of borders and vaccination of foreigners
- Coverage of other vaccines of the Immunization Program
- Economic and social recovery
THANK YOU VERY MUCH FOR YOUR ATTENTION!