

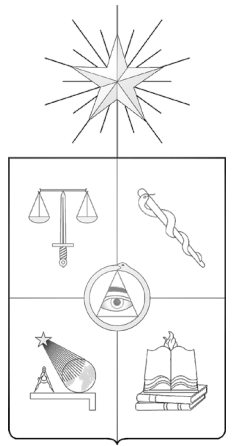
COVID-19 Host Genetics Cohort - Chile

The COVID19hg Project

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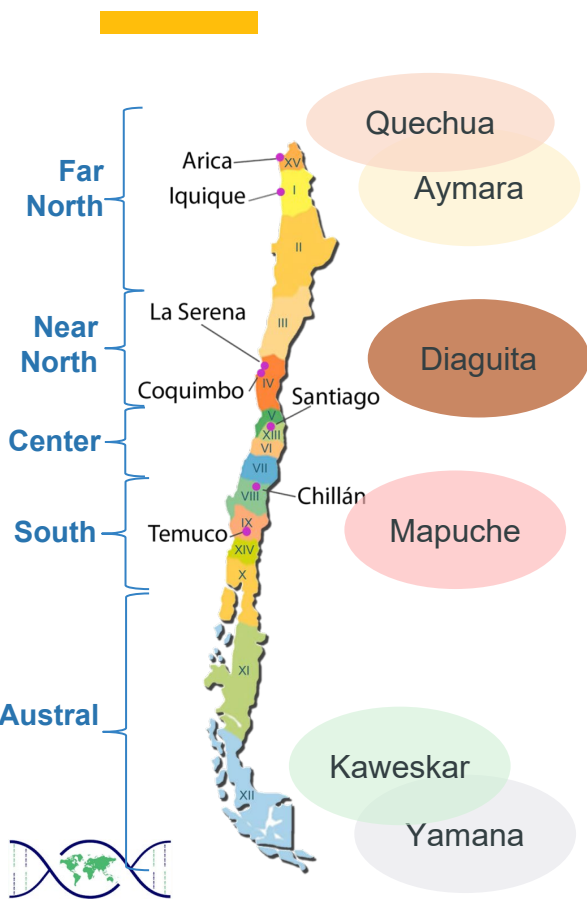


- Objective
- Design
- Challenges
- Status
- Perspectives

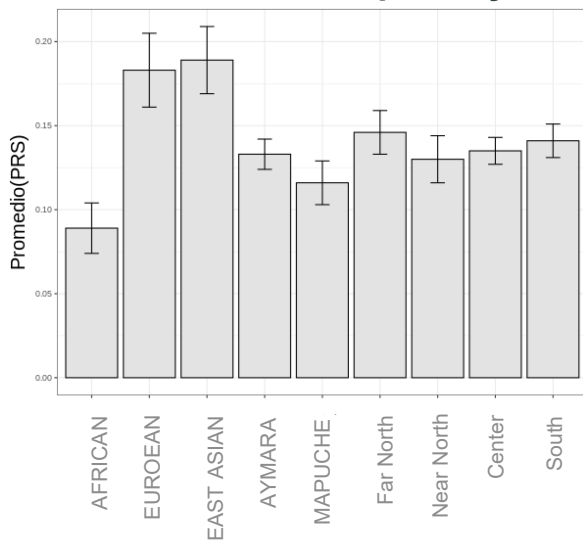


CHILEGENÓMICO

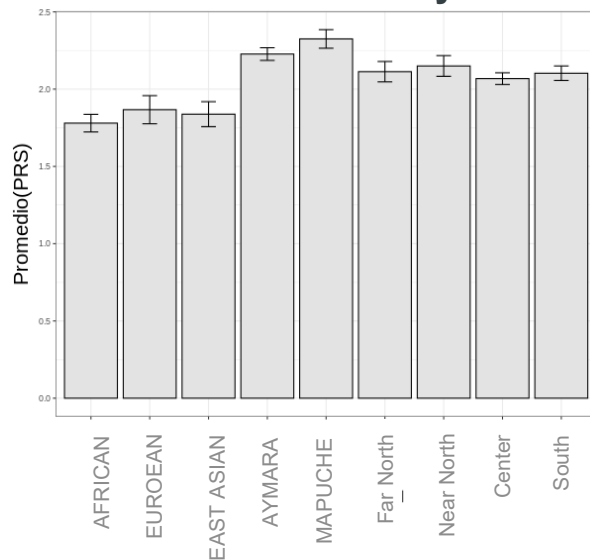
ChileGenómico
 General population
 3000 Blood samples
 414 Axiom LAT1
 600K SNPs



PRS Susceptibility

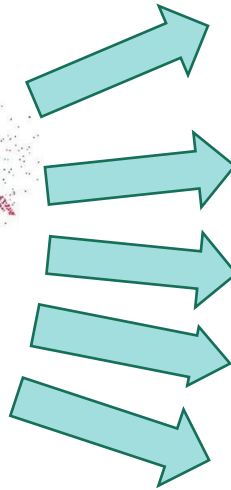
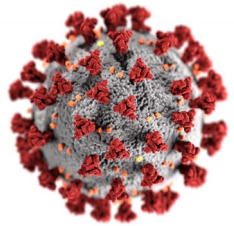


PRS Severity



Objetivo

To evaluate the association between the genetic variation that the Chilean population presents with the susceptibility of presenting severe forms of COVID-19 disease



Asymptomatic

Mild

Hospitalized

Severe

Death

Ancestry

Quechua

Aymara

Diaguita

Mapuche

Kaweskar

Yamana



Design



Pilot Recruitment
in Santiago
Sep-Oct 2020



Home
visit



Regional
Center



Contact
form

National call for
volunteers
Nov 2020

¿QUIERES SER PARTE DE LA PRÍMERA LÍNEA?

SI TUVISTE COVID19

AYÚDANOS A ESTUDIARLO

¿CÓMO PARTICIPAR?

- Déjanos tus datos para ser contactado
- Responde nuestra encuesta
- Dona una pequeña muestra de sangre

A CAMBIO, CONTRIBUIRÁS CON EL CONOCIMIENTO DE LA ENFERMEDAD Y RECIBIRÁS UN INFORME DE TU ANCESTRÍA U ORIGEN GENÉTICO.

ESCRÍBENOS A:

COVID19-INFO@CHILEGENOMICO.CL

@covid19hg @covid19hg-cl @covid19hg

WWW.CHILEGENOMICO.CL/COVID19HG



Design



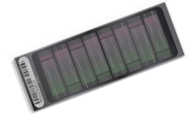
Recruitment 4000



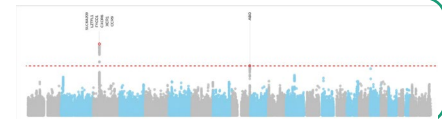
Survey



Genotyping (GSA)



GWAS



Survey based on WT/IHCC

- Demography
- Ancestry
- Socioeconomic
- Comorbidities
- Symptoms (26)
- Medical care
- Sequelae



Challenges

- Engaging (overworked) clinicians
- One IRB per hospital
- Harmonization with other projects
- Funding for Follow ups

Biobank Standards

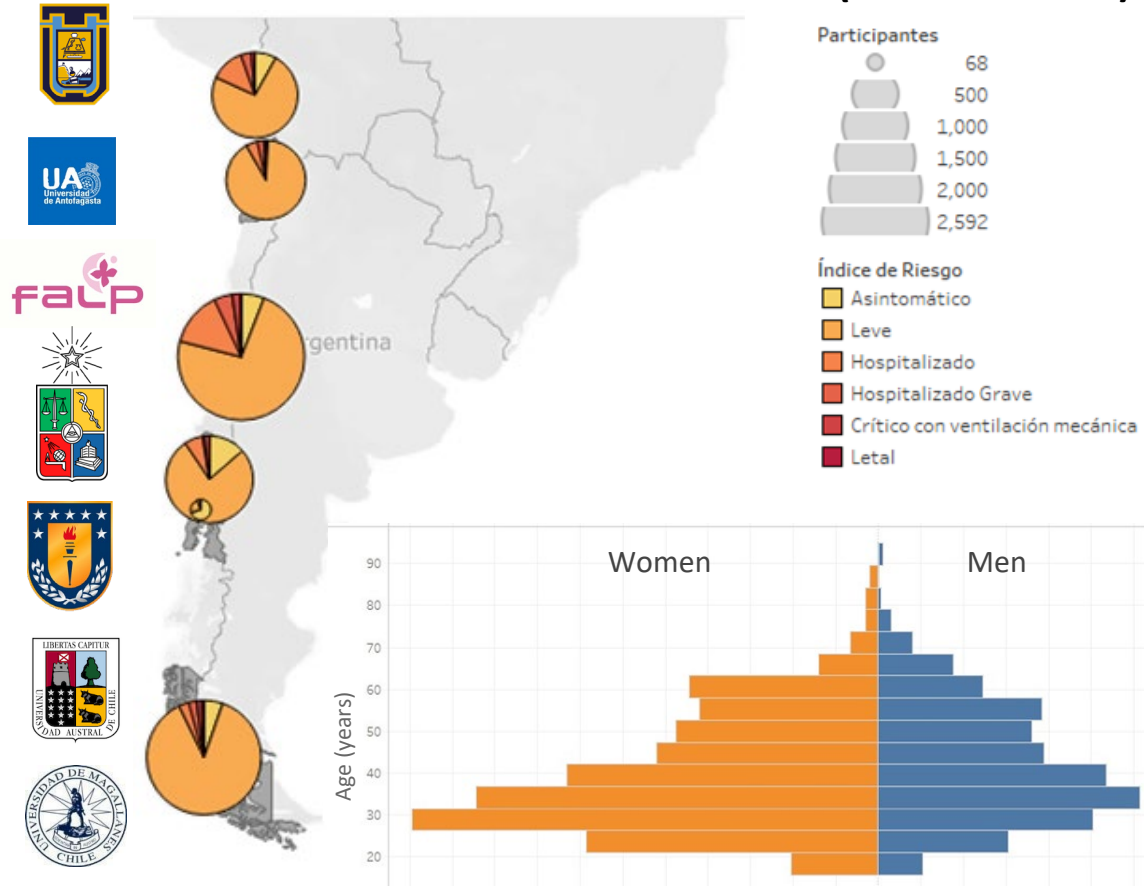
- FAIR Guiding Principles
- 19 SOPs
- 12 Process record forms



Current status

- Recruitment completed (N=2000)
- Joined 3 other projects (N=1500)
- Follow up started in one cohort (N=60)
- DNA samples sent for genotyping

COVID-19 Genomics Network (C19-GenoNet)



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