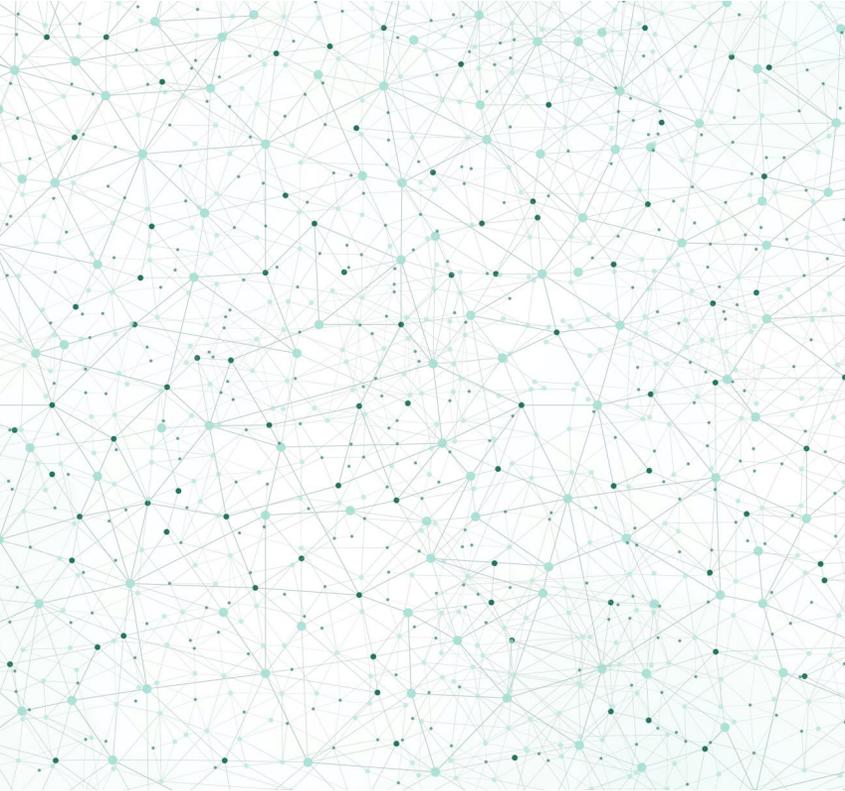




Gobierno del
Estado de Sonora

Servicios de
Salud de Sonora

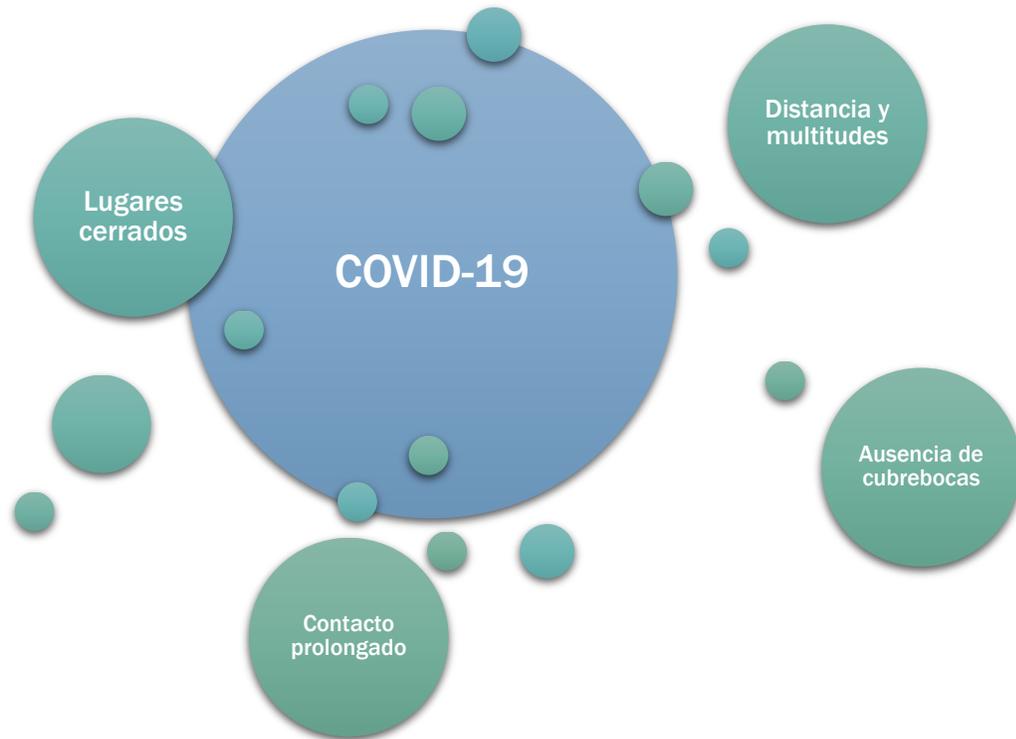
Subsecretaría de Servicios de Salud
Dirección General de Promoción a la Salud y Prevención de Enfermedades



COVID-19 en Sonora. Contención sanitaria para Semana Santa

Marzo 10, 2021

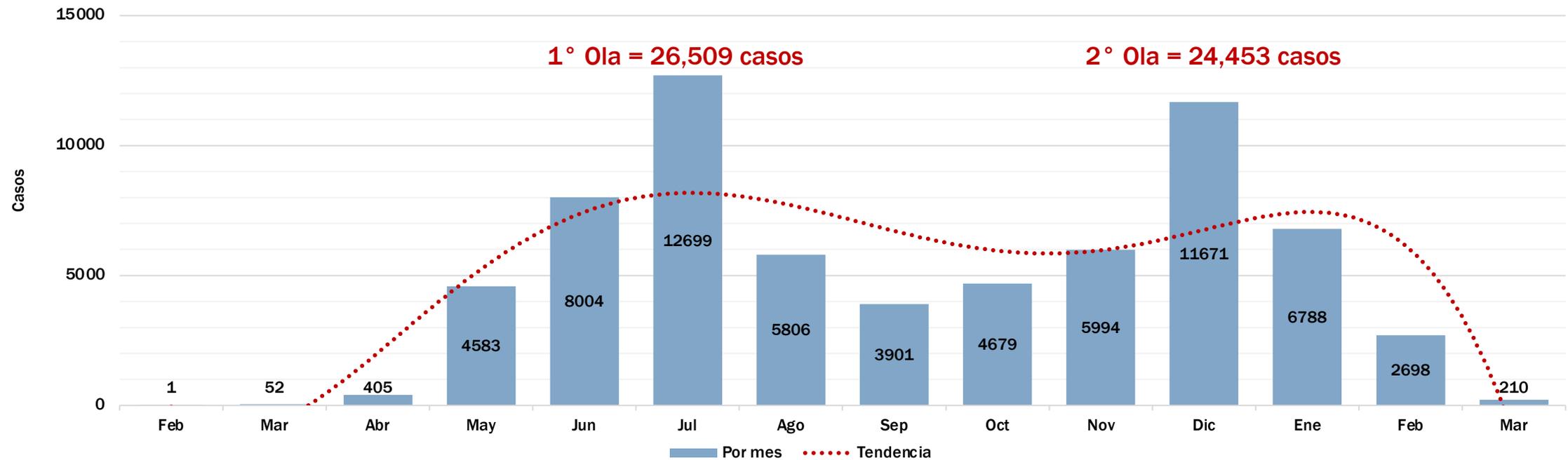
Riesgos aprendidos a 1 año de la pandemia



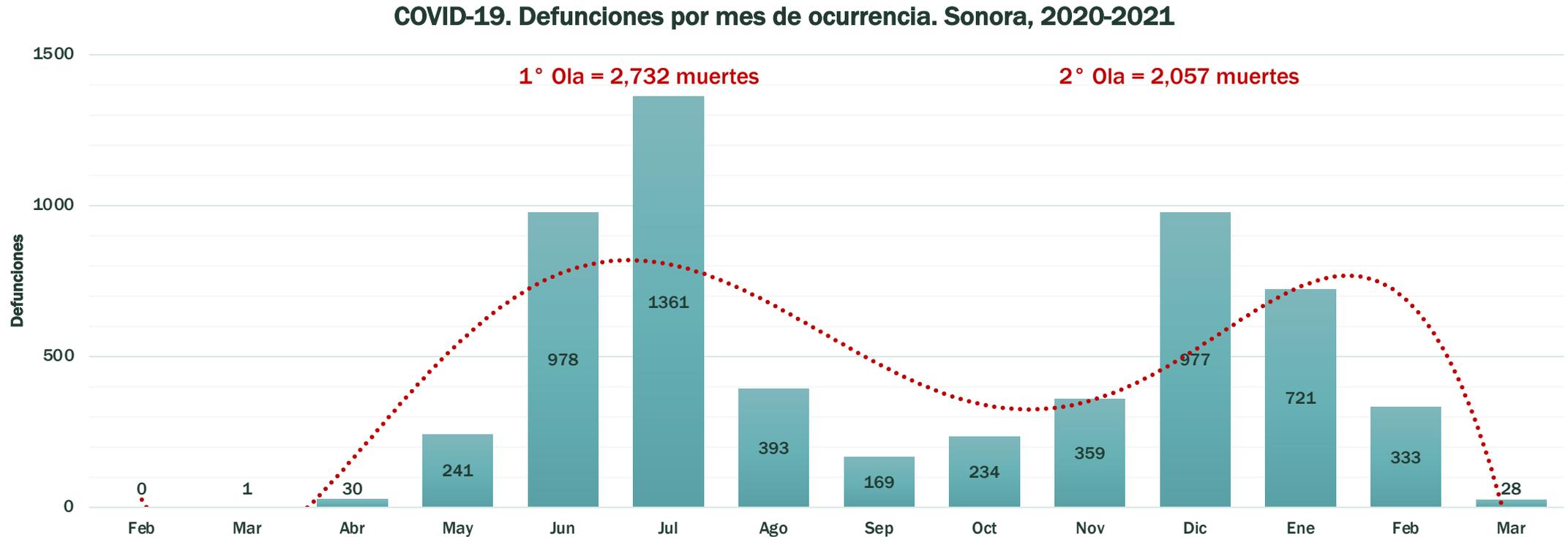
1. El virus se desplaza a la velocidad que los humanos nos movemos
2. Uno de cada dos contagios sucede por **contacto con personas sin síntomas**
3. No todas las personas que se infectan con el virus desarrollan síntomas, **pero sí contagian**
4. La MAYOR FUENTE DE CONTAGIOS es la **convivencia cercana** (1.5 metros) **sin uso de cubrebocas** en espacios mal ventilados

La movilidad poblacional se asocia a grandes brotes epidémicos

COVID-19. Casos confirmados por mes de inicio de síntomas. Sonora, 2020-2021



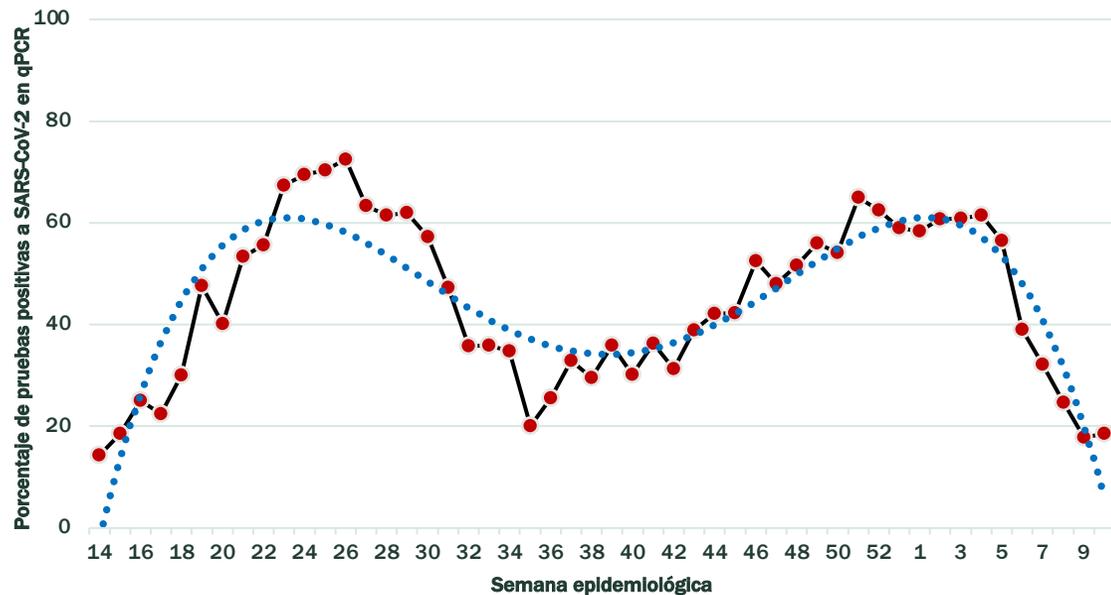
La movilidad poblacional se asocia a grandes brotes epidémicos



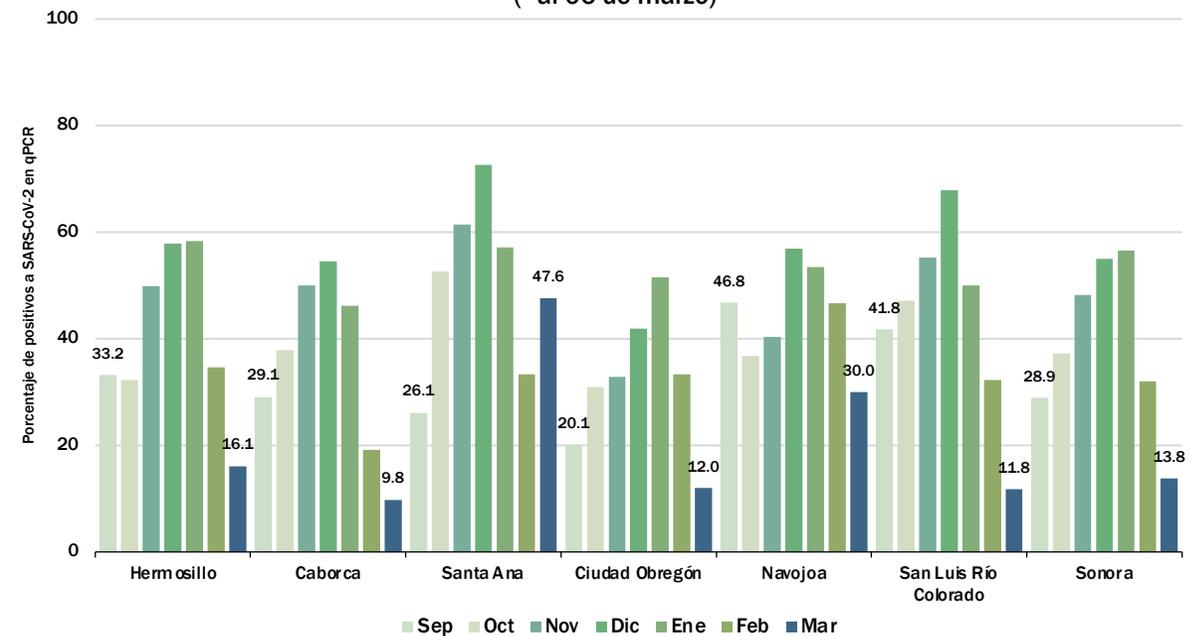
FUENTE: Dirección General de Promoción a la Salud y Prevención de Enfermedades/SSS

La transmisión comunitaria permanece

Porcentaje de positividad a SARS-CoV-2 en muestras de hisopado faríngeo y nasofaríngeo procesados por qPCR en el LESP, por semana epidemiológica, Sonora, 2020-21

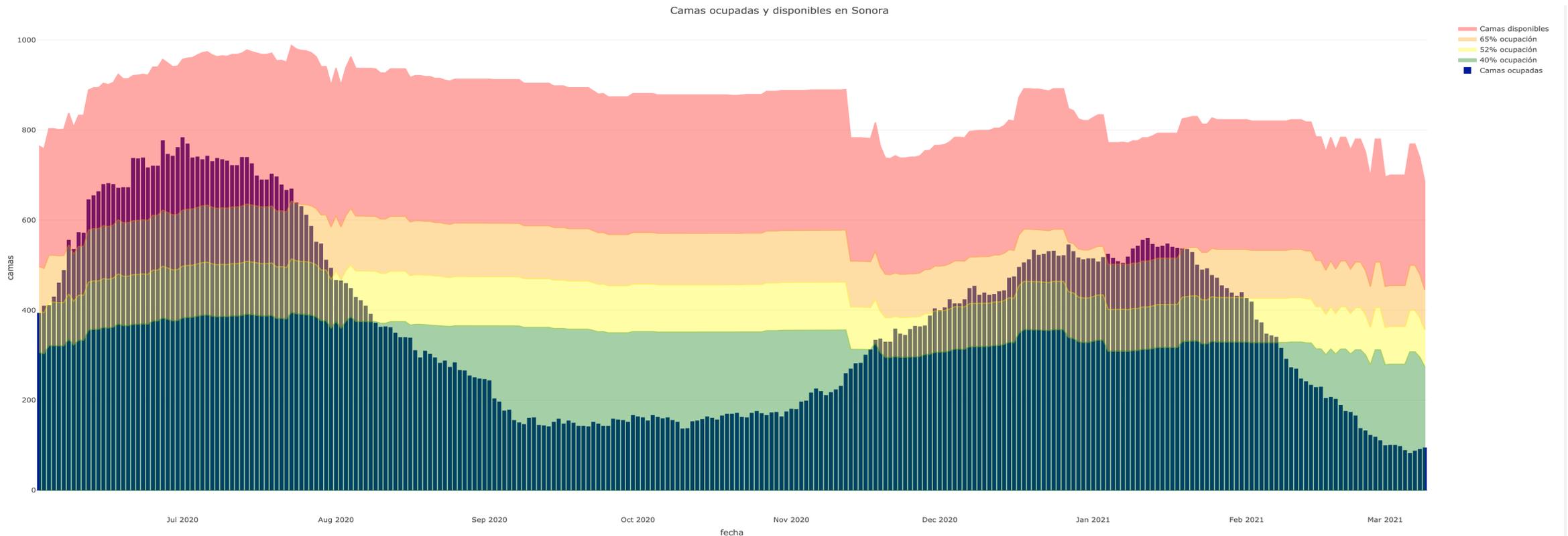


Comportamiento mensual de la positividad (%) de SARS-CoV-2 en muestras respiratorias procesadas por qPCR, por Jurisdicción Sanitaria de residencia. Sonora, Sep 2020- Mar* 2021 (*al 06 de marzo)



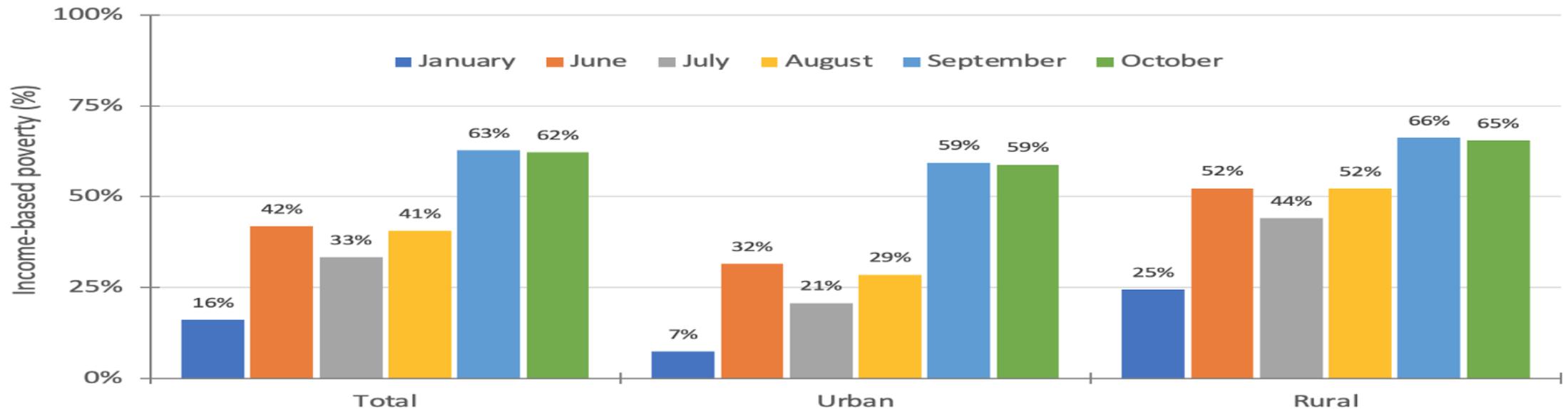
FUENTE: Elaboración propia con datos del Laboratorio Estatal de Salud Pública-Sonora/SSS

La capacidad de respuesta hospitalaria no fue superada



Los grandes brotes epidémicos se asocian a grave deterioro económico

Figure 1. Trends in income-based poverty prevalence from January to October 2020 at the USD 1.90/day poverty line

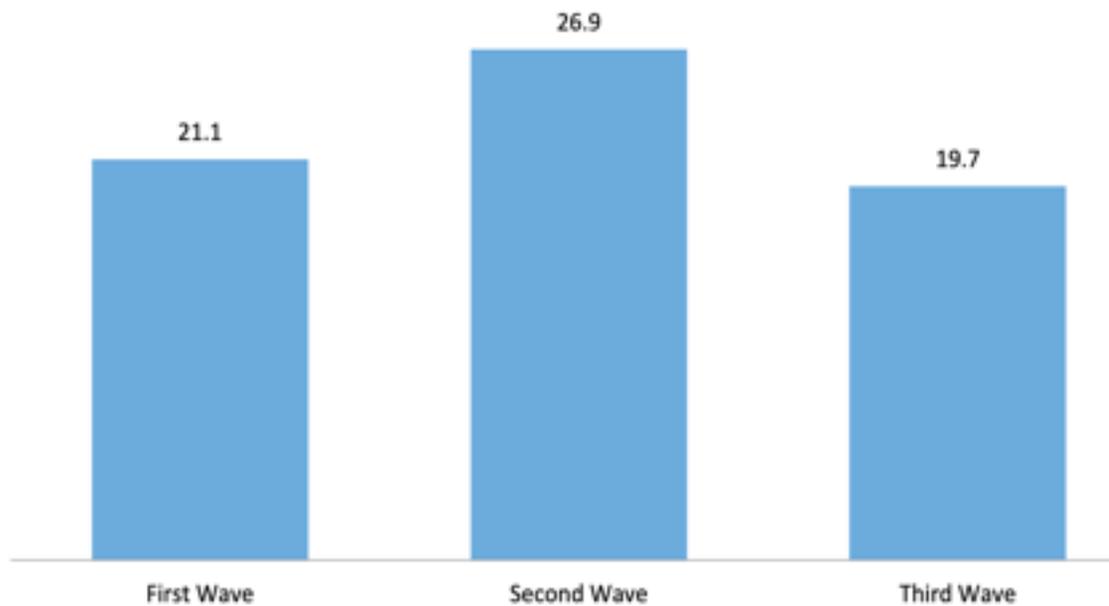


Source: C19-RUFSS.

Notes: January 2020 estimates of monthly income are based on recalled income responses from the June 2020 survey round. All other monthly estimates are based on recalled income in the month prior to the survey.

Los grandes brotes epidémicos se asocian a grave deterioro económico

The Increased Unemployment Data of the Population due to the COVID-19



<https://www.unicef.org/georgia/media/4736/file/COVID-19-Study-Analytical-Report-1-st-2nd-and-3rd-waves-Eng.pdf>

Growth of world gross domestic product



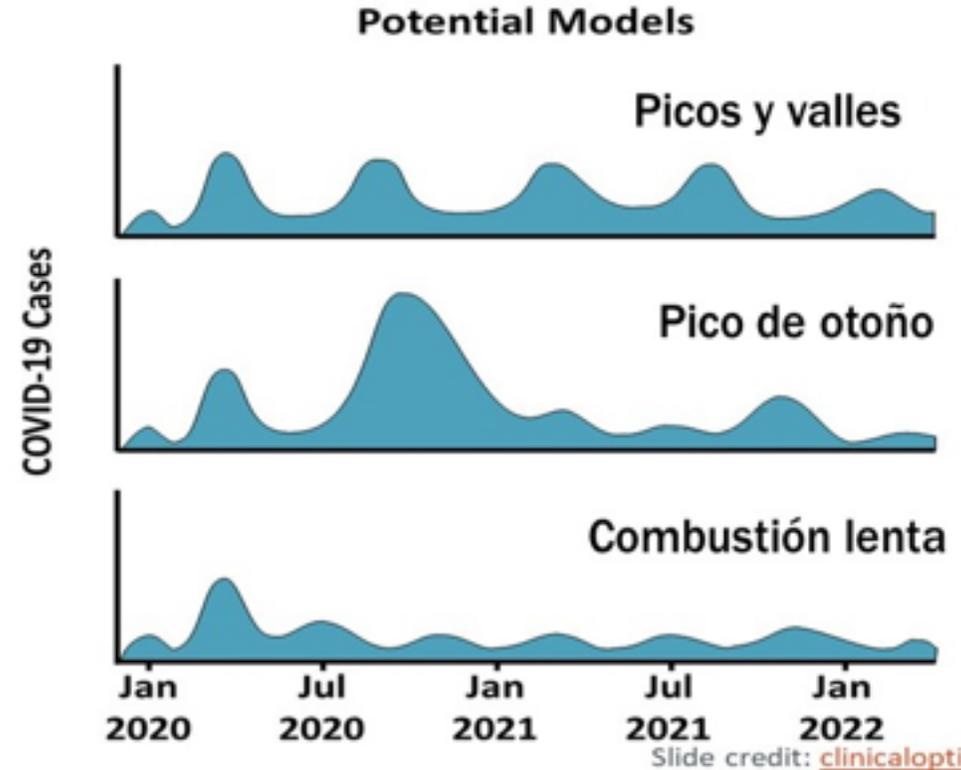
Source: UN DESA, based on projections and scenarios generated by the World Economic Forecasting Model (WEFM).

- “La pandemia de COVID-19 ha devastado a países de Latinoamérica y el Caribe, provocando un alto costo humano y causando una contracción económica de históricas proporciones”

<https://www.un.org/en/global-economic-recovery-remains-precarious-rebound-47-barely-offset-2020-losses>

Proyección de la pandemia

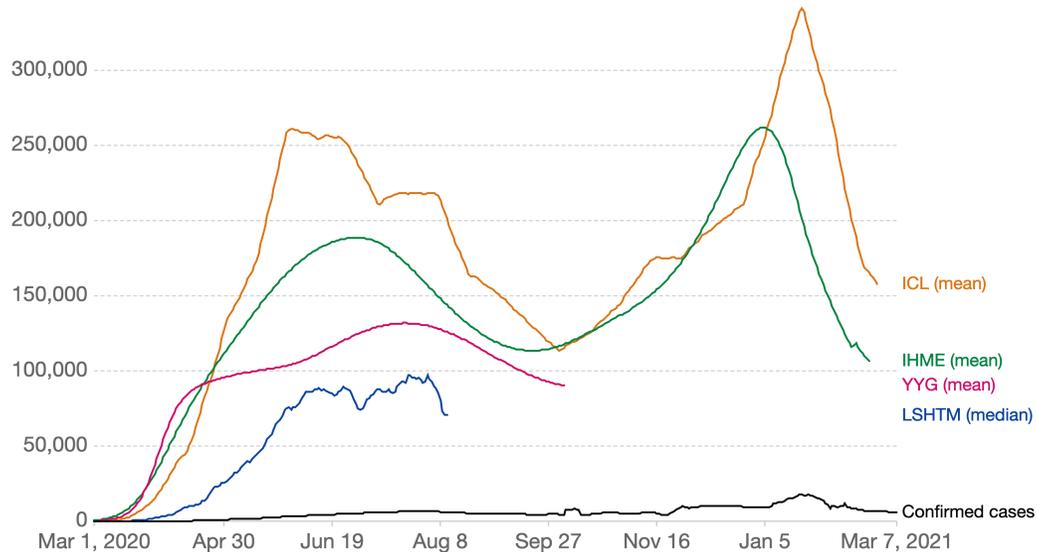
- Brotes recurrentes posteriores a los picos
- El intervalo y altura de las olas depende de múltiples factores, incluyendo las medidas de control
- Preparación para 18-24 meses de intensa actividad, con periódicos incrementos



Proyección de la pandemia

Daily new estimated infections of COVID-19, Mexico

Mean estimates from epidemiological models of the true number of infections. Estimates differ because the models differ in data used and assumptions made. For comparison, confirmed cases are infections that have been confirmed with a test.

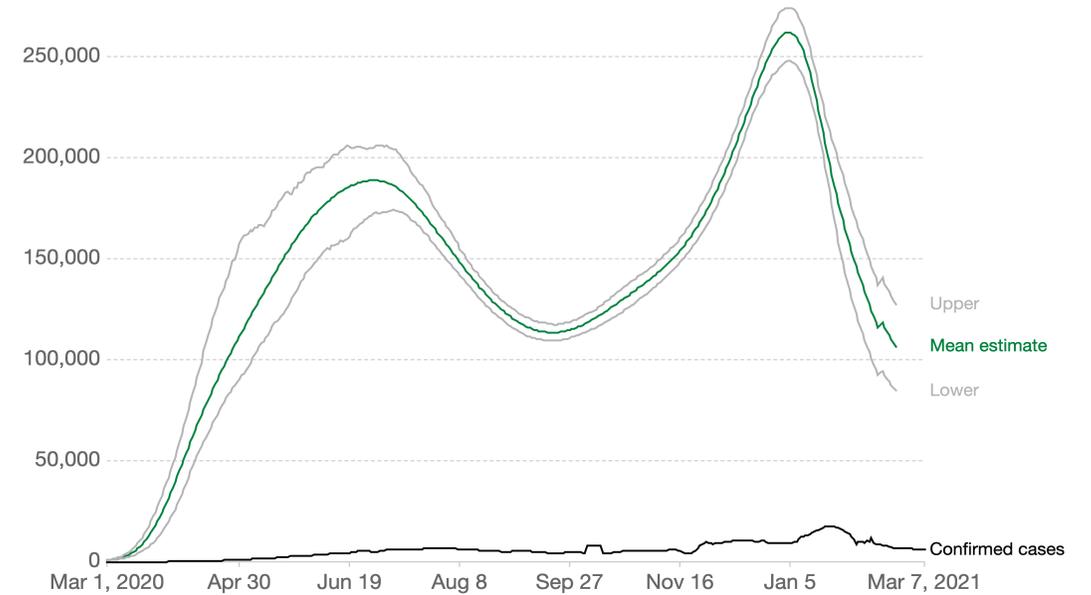


Source: ICL (2021), IHME (2021), YYG (2020), LSHTM (2020), JHU (2020) OurWorldInData.org/covid-models • CC BY
Note: This chart shows the latest available model estimates as of 1 March 2021. The LSHTM and YYG models have stopped releasing updates. The uncertainty range for each estimate — which can be large — is not shown here but can be found in the individual model charts.

<https://ourworldindata.org/grapher/daily-new-estimated-infections-of-covid-19?tab=chart&stackMode=absolute&time=2020-03-01..latest&country=~MEX®ion=World>

Daily new estimated COVID-19 infections from the IHME model, Mexico

Estimates of the true number of infections. The "upper" and "lower" lines show the bounds of a 95% uncertainty interval. For comparison, confirmed cases are infections that have been confirmed with a test.



Source: IHME (2021), JHU (2020) OurWorldInData.org/covid-models • CC BY
Note: This chart shows the model estimates dated 25 February 2021.

<https://ourworldindata.org/covid-models#institute-for-health-metrics-and-evaluation-ihme>

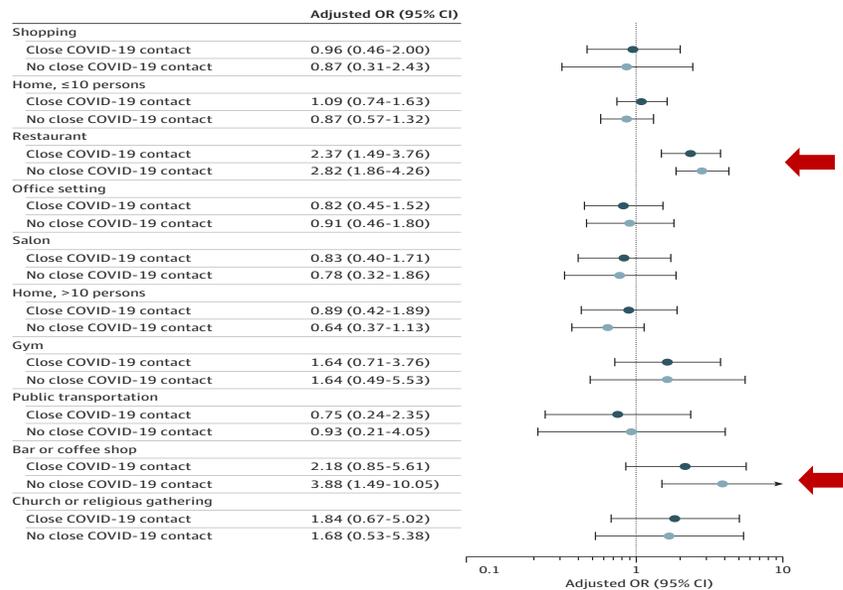
Anticipando los repuntes

JAMA Insights

Identifying COVID-19 Risk Through Observational Studies to Inform Control Measures

Mark W. Tenforde, MD, PhD; Kiva A. Fisher, PhD, MPH; Manish M. Patel, MD, MSc

Figure. Community Exposures Associated With Confirmed COVID-19 Among Symptomatic Adults (N = 314) in the US, July 1-29, 2020



Clinical Review & Education

Ranking the effectiveness of worldwide COVID-19 government interventions

Nils Haug^{1,2,7}, Lukas Geyrhofer^{2,7}, Alessandro Londei³, Elma Dervic^{1,2}, Amélie Desvars-Larrive^{2,4}, Vittorio Loreto^{2,3,5}, Beate Pinior^{2,4}, Stefan Thurner^{1,2,6} and Peter Klimek^{1,2}

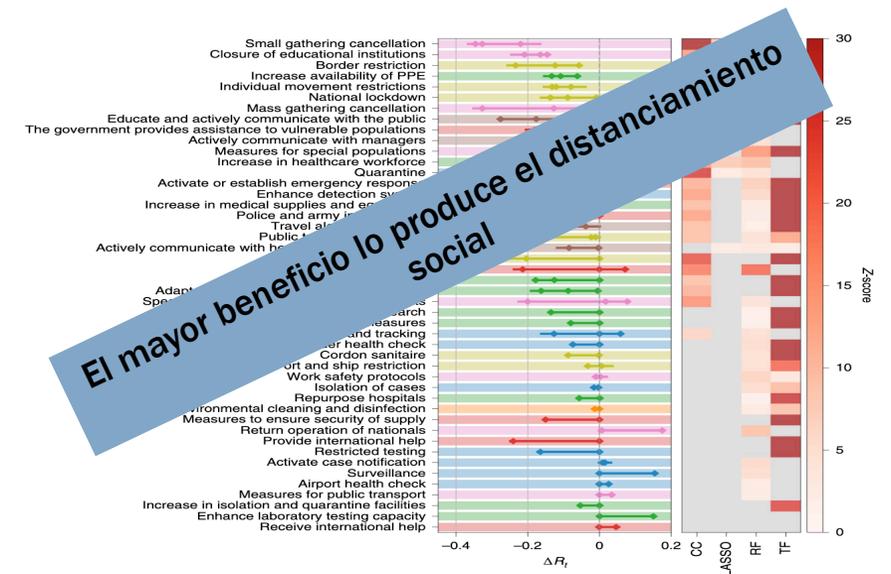


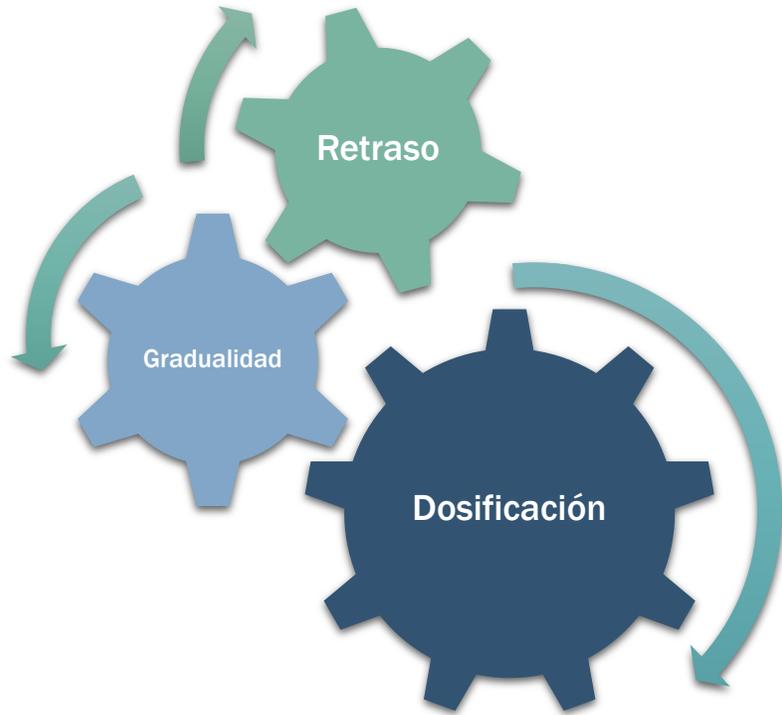
Fig. 1 | Change in R_t (ΔR_t) for 46 NPIs at L2, as quantified by CC analysis, LASSO and TF regression. The left-hand panel shows the combined 95% confidence intervals of ΔR_t for the most effective interventions across all included territories. The heatmap in the right-hand panel shows the corresponding Z-scores of measure effectiveness as determined by the four different methods. Grey indicates no significantly positive effect. NPIs are ranked according to the number of methods agreeing on their impacts, from top (significant in all methods) to bottom (ineffective in all analyses). L1 themes are colour-coded as in Supplementary Fig. 1.



Equilibrio

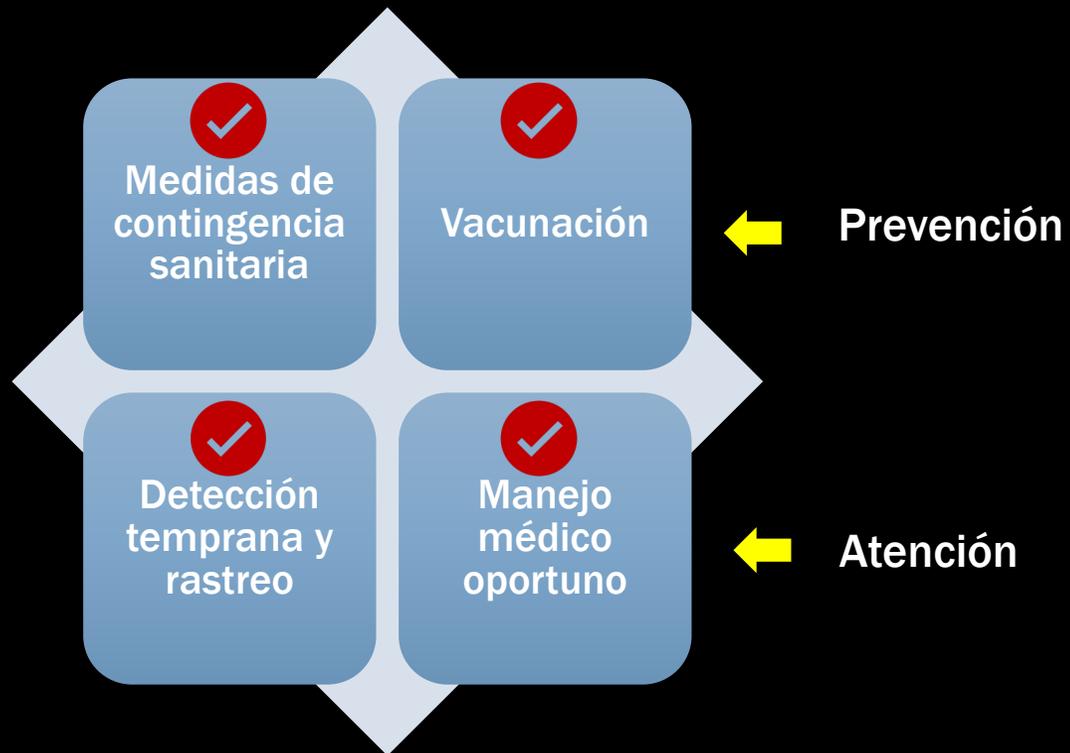
- No implica igualdad de propósitos o acciones
- Ineludibles los costos secundarios a las decisiones
- ¿Reparamos el deterioro existente o evitamos el daño futuro?

Tres determinantes para el control

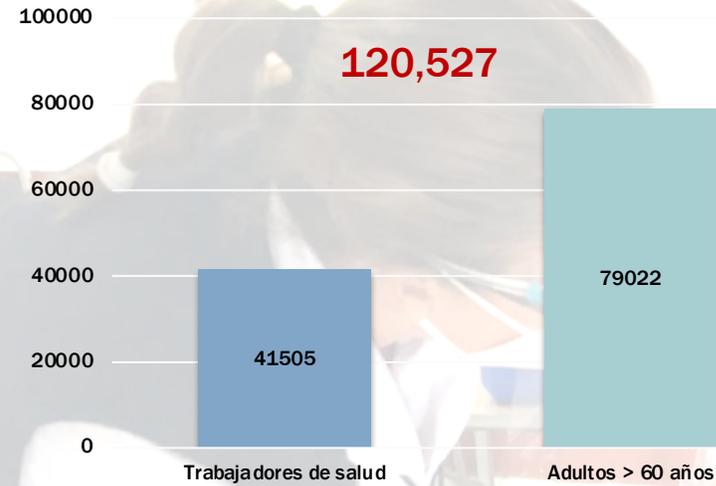


1. **Retraso:** restringir movilidad en fase de crecimiento
2. **Gradualidad:** priorizar grupos y actividades de mayor riesgo
3. **Dosificación:** aforar volumen y espacios

Cuatro estrategias de control



Dosis aplicadas de vacunas vs. SARS-CoV-2, según grupo prioritario alcanzado. Sonora, 2021*



39 protocolos sanitarios para actividades sociales y económicas



Disponibilidad para Semana Santa

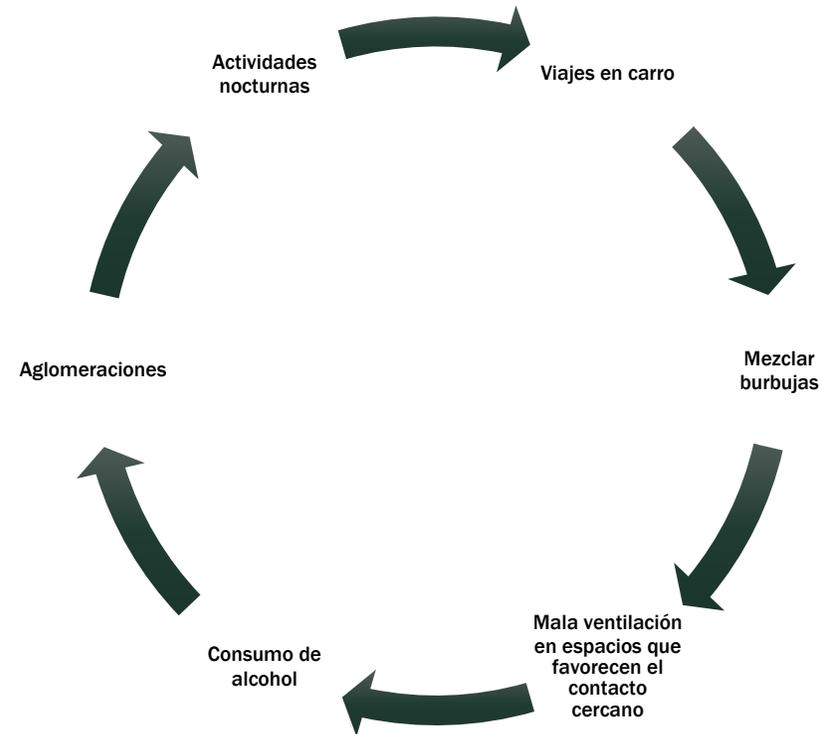
- 4,000 pruebas de qPCR
- 25 mil pruebas de Ag's



18 Centros Anticipa
76 mil consultas



Eslabones de la cadena causal de COVID-19. Semana Santa



Matriz de riesgos para Semana Santa

Riesgo	Playa	Pueblos	Fiestas	Celebraciones religiosas	Ceremonias etnias	Balnearios /ríos	Hoteles	Restaurantes	Centros comerciales
Viajes en carro	●	●	●			●			
Mezclar burbujas	●	●	●	●	●	●	●	●	●
Espacios cerrados mal ventilados				●			●	●	●
Consumo de alcohol	●	●	●			●		●	
Aglomeraciones	●		●	●	●	●			
Actividades nocturnas	●	●	●				●	●	

COVID-19. Cuatro acciones de control en Semana Santa

