



Dr. Carla Romo Jaramillo

Dr. Carla Romo is a graduated physician from UdeG. She got her degree as an specialist in Anesthesiology and subspecialist in Critical Care Medicine from UdeG, performing both residencies in Hospital Civil Fray Antonio Alcalde.

- Guadalajara, Jalisco. México.
- Medical Degree UdeG
- Anesthesiology HCFAA
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Universidad Autónoma de Guadalajara
SCHOOL OF MEDICINE



COVID-19 Protocols in Jalisco

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COVID - 19

Coronaviruses are important human and animal pathogens.

End of 2019: novel coronavirus in Wuhan, a city in the Hubei Province of China.

February 2020: World Health Organization designated the disease COVID-19 (coronavirus disease 2019)

Virus that causes COVID-19: Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2)



Transmission

- Understanding transmission is incomplete
 - Person-to-person: Respiratory Droplets
 - Period of infectivity: Still unknown, from 10 to 20 days probably.
 - Asymptomatic individuals
 - Risk of transmission variate according to type and duration of exposure.
 - Contamination of environment (surface): Variation according to temperature, humidity and size of initial inoculum.
 - Animal host?

Risk Factors for severe disease

- Cardiovascular disease
- Diabetes mellitus
- Hypertension
- Chronic lung disease
- Cancer
- Chronic kidney disease
- Obesity (body mass index ≥ 30)

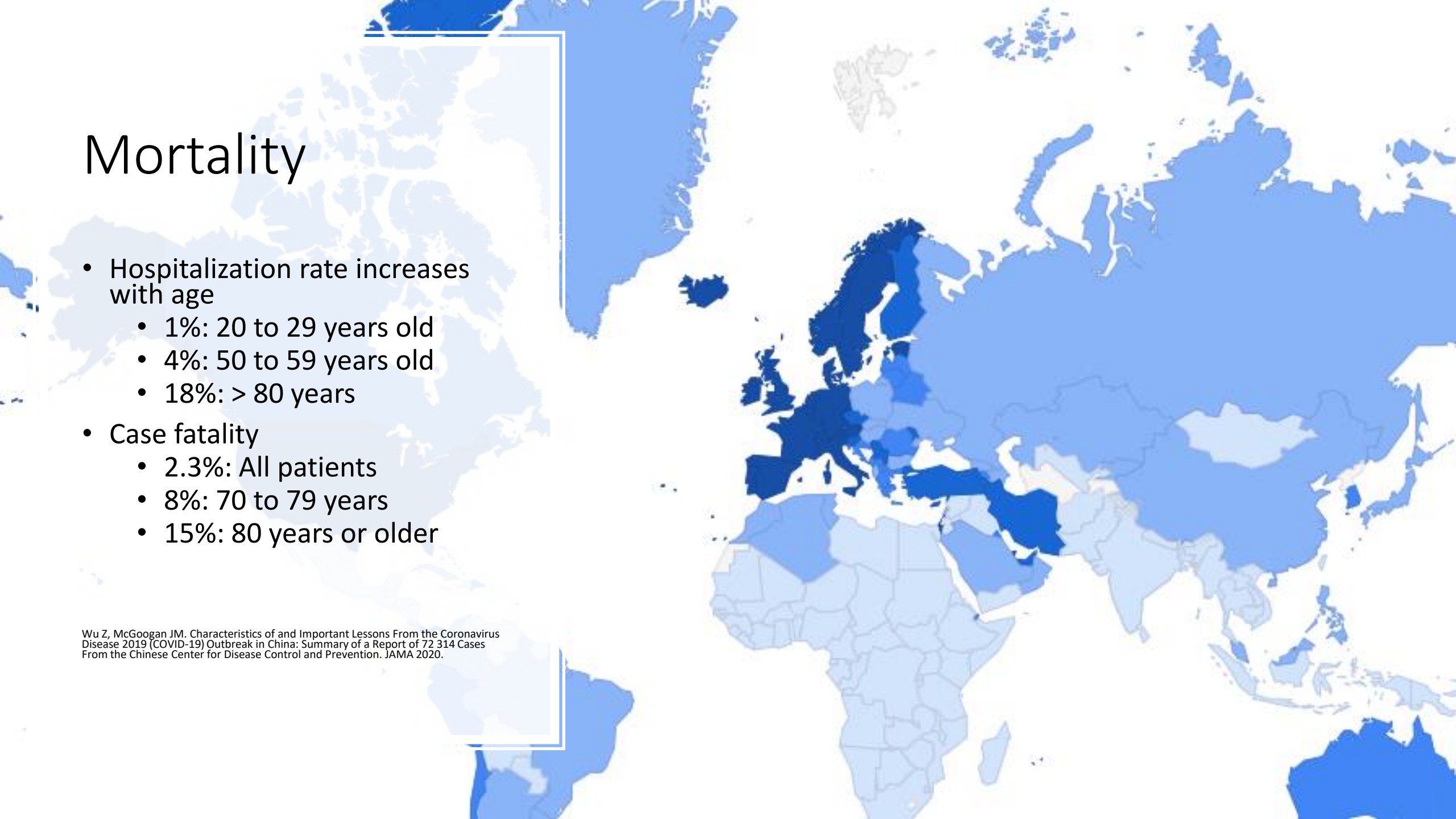
3 of 4 Mexicans have a obesity
or overweight problem

- Kenneth McIntosh, MD. Coronavirus disease 2019 (COVID-19): Epidemiology, virology, clinical features, diagnosis, and prevention. Post TW, ed. UpToDate. Waltham, MA: UpToDate Inc. <https://www.uptodate.com> (Accessed on April 15, 2020).
- Instituto Nacional para la estadística geografica. INEGI. <https://www.inegi.org.mx/>

Mortality

- Hospitalization rate increases with age
 - 1%: 20 to 29 years old
 - 4%: 50 to 59 years old
 - 18%: > 80 years
- Case fatality
 - 2.3%: All patients
 - 8%: 70 to 79 years
 - 15%: 80 years or older

Wu Z, McGoogan JM. Characteristics of and Important Lessons From the Coronavirus Disease 2019 (COVID-19) Outbreak in China: Summary of a Report of 72 314 Cases From the Chinese Center for Disease Control and Prevention. JAMA 2020.





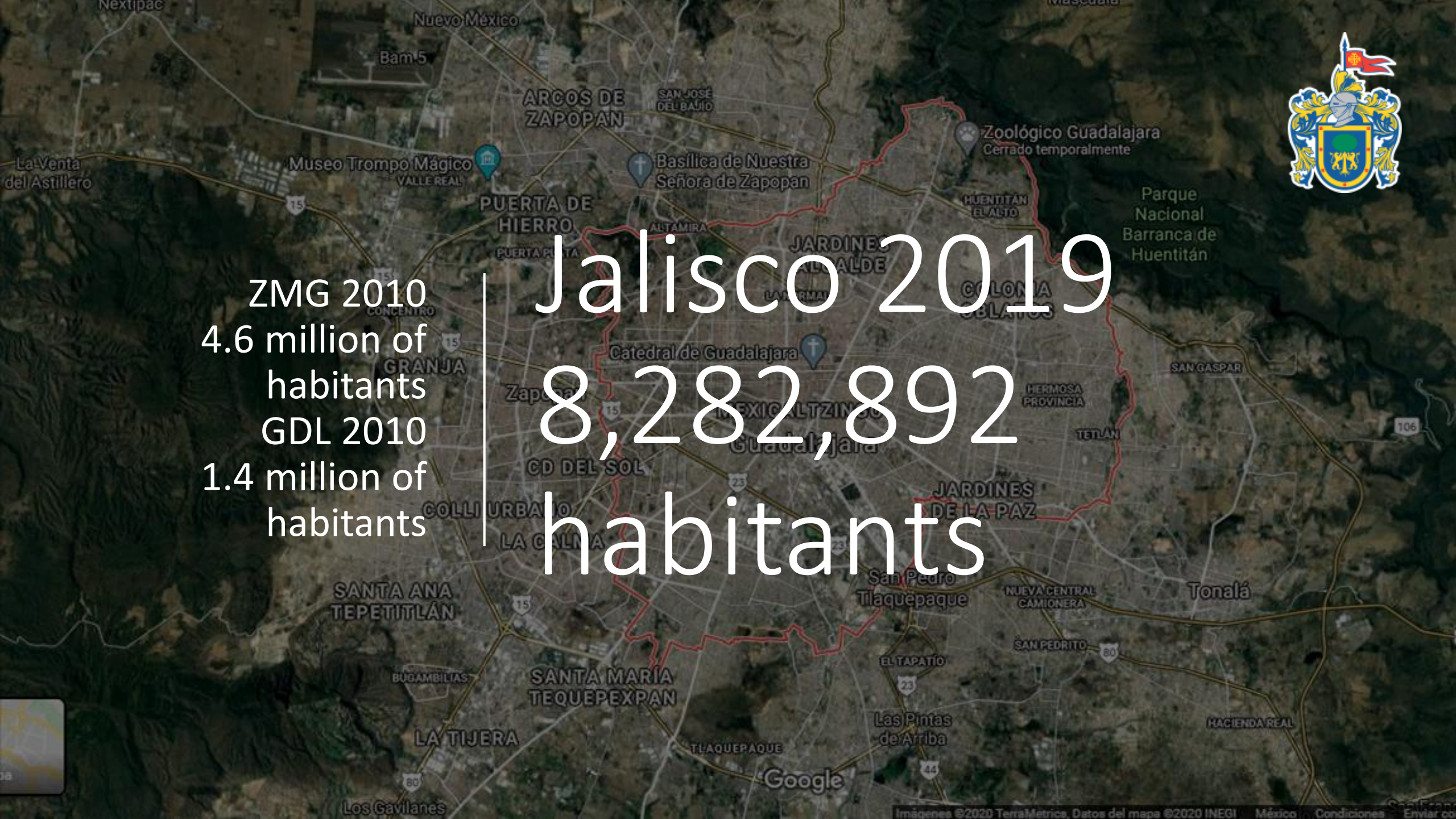
Geographic Situation

- West of Mexico
- 12 Regions - 125 municipalities
- Capital: Guadalajara
- Jalisco is Mexico
- 3rd place in economy



ZMG 2010
4.6 million of
habitants
GDL 2010
1.4 million of
habitants

Jalisco 2019
8,282,892
habitants



PANORAMA COVID-19 EN JALISCO*

Miércoles 15/Abr/20

Casos	Totales
Casos confirmados	176
Casos sospechosos	565
Casos descartados	2,438
Defunciones	11

Fuente: Sistema Nacional de Vigilancia Epidemiológica.
*Corte a las 13:00 horas del 15 de abril de 2020.



COVID-19 PANORAMA

- March 14th : First two registered cases of COVID-19 in Jalisco
- March 23rd : Community Transmission is declared at federal level
- March 25th : 3rd phase is declared at federal level
- April 15th : 176 confirmed cases in Jalisco State, 565 suspected cases, 11 deaths



PCR and underreport issues in Jalisco (and Mexico)

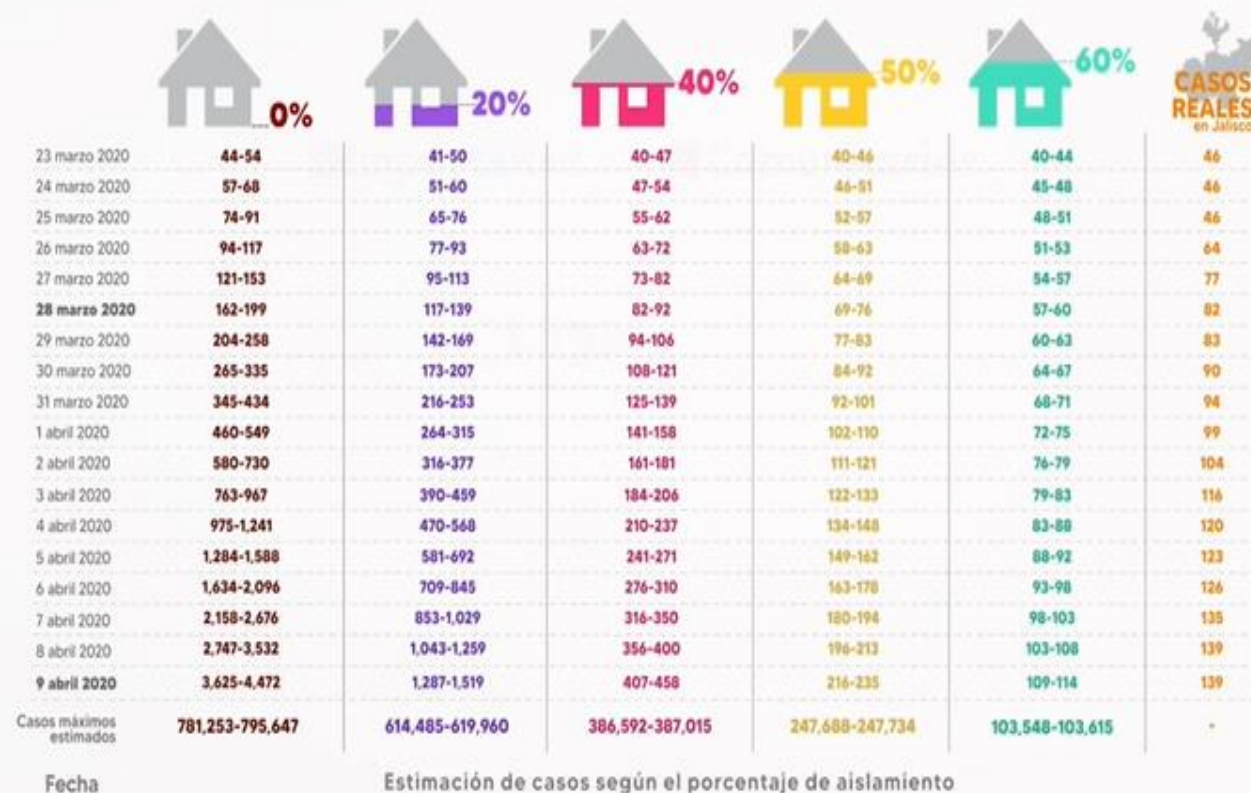
- At the beginning and for almost one month, only two laboratory at National level were approved for SARS-CoV2 PCR.
- April 2nd : 75 PCR for every 1 million habitants in Mexico
- BIG gap for real information! Secretary of Health estimate to have 8 - 12 missing positive cases for every true positive in the record.
- April 14th : UdeG and Jalisco government initiates “Jalisco radar: system for active detection of COVID-19” Increase Jalisco Test to 240 per day.



Lo mejor que puedes hacer para prevenir es quedarte en casa.

**Si te cuidas tú,
nos cuidas a todos**

**Plan Jalisco
COVID-19**





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"PUBLIC" HEALTH SYSTEM IN MEXICO



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TRABAJADORES DEL ESTADO



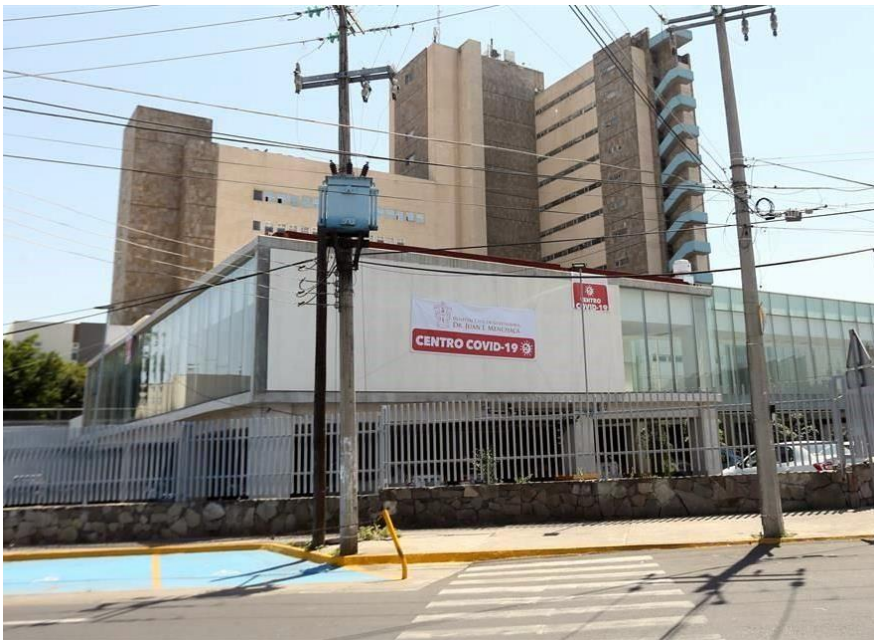
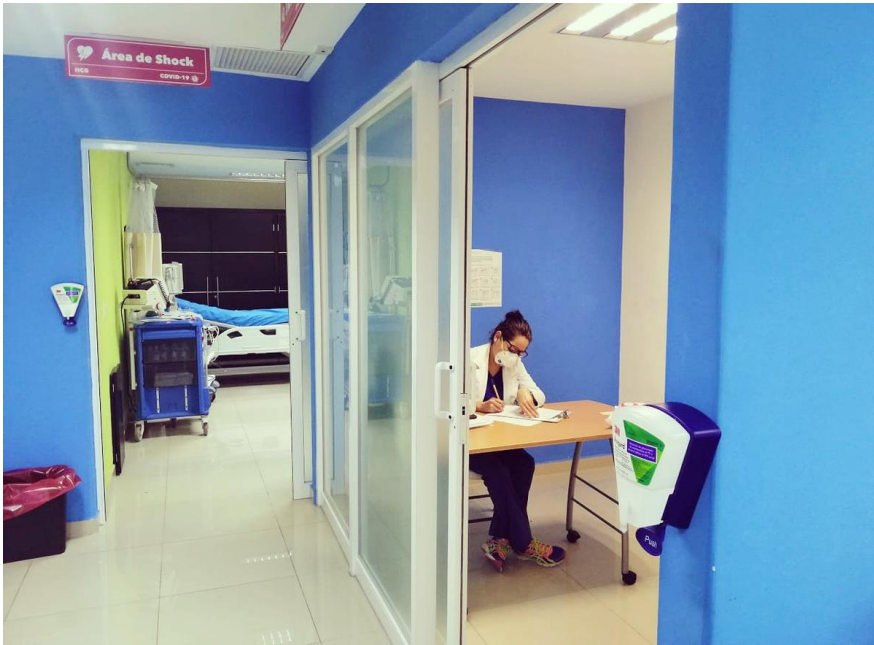
“Public Health System in Jalisco”



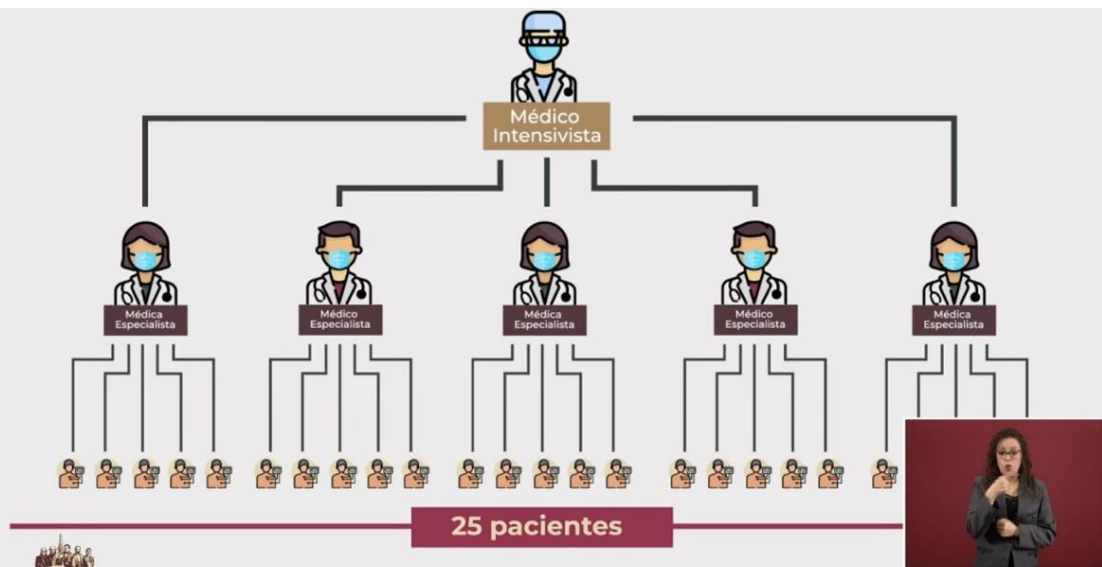
COVID-19 “PUBLIC” HOSPITALS IN JALISCO

April 6th : Jalisco, first Mexican state to present a COVID-19 conversion hospital plan.

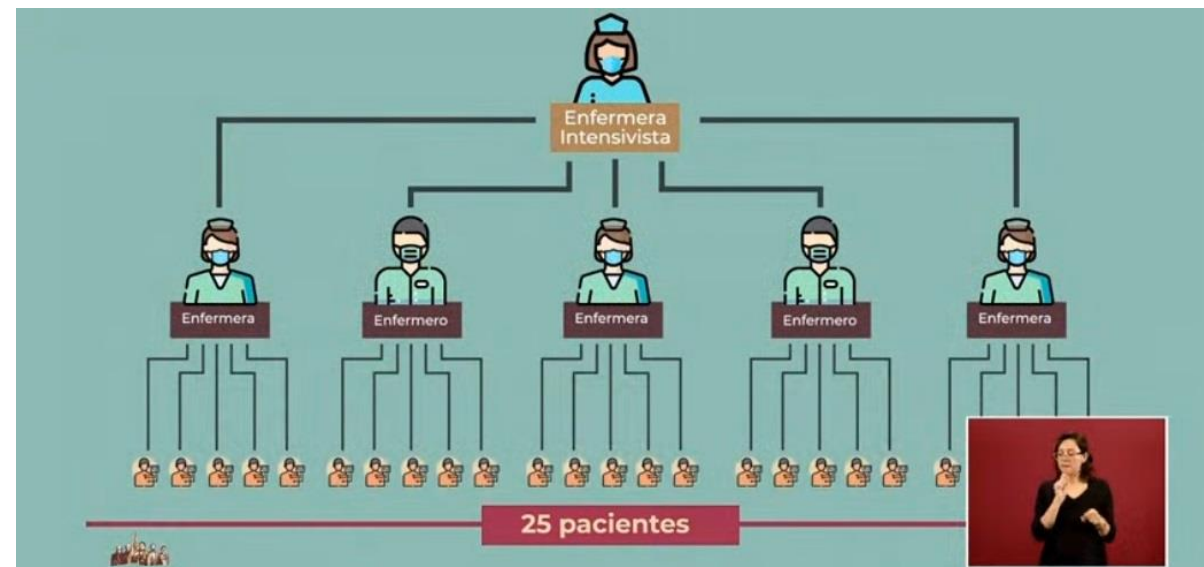
- Hospital General de Occidente
- Hospitales Civiles
- 10 Regional Hospitals + Community Hospital of Colotlán
- Hospital Angel Leaño (3rd and 4th phase)
- CMNO IMSS
- HGR 110 IMSS
- Hospital Valentin Gomez Farías ISSSTE
- Regional Military Hospital (SEDENA)
- TOTAL: 3,161 hospital beds



Special Units for COVID-19 in Public Hospitals



De esta forma, un intensivista podrá estar a cargo de la atención de 25 pacientes críticos



Y el mismo esquema se repite para el caso del personal de enfermería.

Suggested structure for COVID-19 Patient care

Lack of official in hospital protocols and hospital authority involvement

ANEXO 3. ALGORITMO DE MANEJO DE VÍA AÉREA EN COVID-19



UCI: Unidad de cuidados intensivos, BVM: bolsa-válvula-mascarilla, VA: vía aérea.

* Se recomienda considerar dispositivo supraglótico desde un inicio. Si la ventilación con BVM es necesaria, usar la técnica a dos manos.

Protocolo de manejo de vía aérea en pacientes con sospecha o confirmación de infección por coronavirus COVID-19 en el Antiguo Hospital Civil de Guadalajara "Fray Antonio Alcalde".

Guadalajara, Jalisco a 16 de abril de 2020.

Dra. Laura Regina Rodríguez Arias

Médico adscrito al servicio de Anestesiología

Dr. Néstor Alonso Camacho Jaramillo

Médico residente del 3er. año de la especialidad de Anestesiología

Dra. Karla María Lara Cuevas

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Dr. Eloy Sánchez Hernández

Médico adscrito al servicio de Anestesiología

Dra. Roxana García Salcido

Coordinadora Unidad COVID



Private Care COVID-19 Hospitals in Jalisco

- Hospital Angeles del Carmen
- Hospital San Javier
- Hospital Puerta de Hierro
- Hospital Country 2000
- Hospital Real San José





	Prevención y Control de Infecciones	Revisión: 3	
	Protocolo COVID-19	Fecha de emisión: Marzo -2020 Código del Documento: HAC-DG-P-001	



Identificar y buscar los siguientes signos y síntomas
(Los síntomas pueden aparecer de 2 a 14 días después de la exposición)

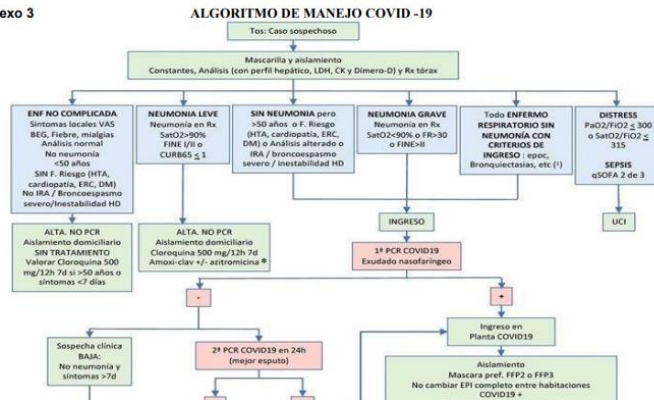
- Malestar general



Note: Cuando estables a un paciente asintomático a la vez se debe considerar cambio de todo el



Anexo 3



Official Protocols HA



Mexican society lack of discipline



JALISCO |

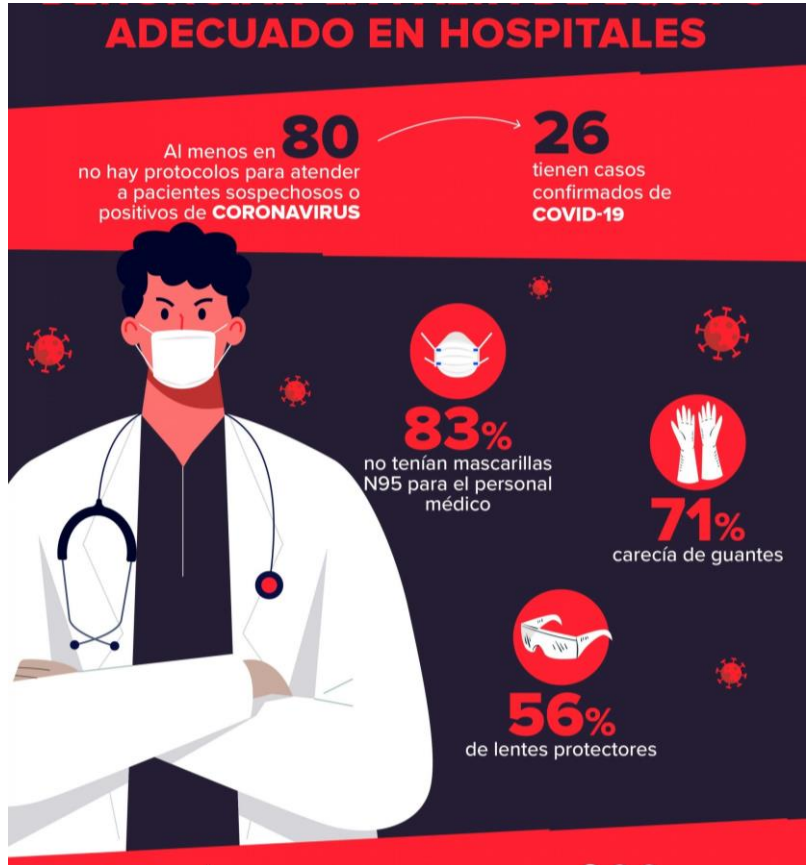
Por temor al coronavirus, agreden a enfermeras en el transporte público

La situación es tan complicada que se han registrado agresiones físicas

Por: El Informador
29 de Marzo de 2020 - 03:36 hs



Wrong use of face mask and gloves
+
Violence against healthcare workers



Real "Public" Hospitals Situation



Por favor salvanos. Pero no uses nuestro transporte público,
ni compres aqui y de preferencia no regreses a esta colonia

Summary

- COVID-19 is a disease that we do not understand yet and we are not prepared to treat in the whole world
- COVID-19 is about to show its true face to Mexico
- Despite the (not so good) efforts from the government it will cause a fall from the major health institute in Mexico
- Jalisco seems to be one of the most prepared states in Mexico to deal with this disease
- The lack of discipline and education of Mexican society is already causing big problems
- Mexican healthcare workers feel alone in this “Tsunami” that is starting to fall all over us

