



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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- Professor at School of Medicine UAG
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Universidad Autónoma de Guadalajara
SCHOOL OF MEDICINE



COVID-19 Protocols in Jalisco

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GLOBAL
DEVELOPMENT
LEARNING
NETWORK

GDLN LAC

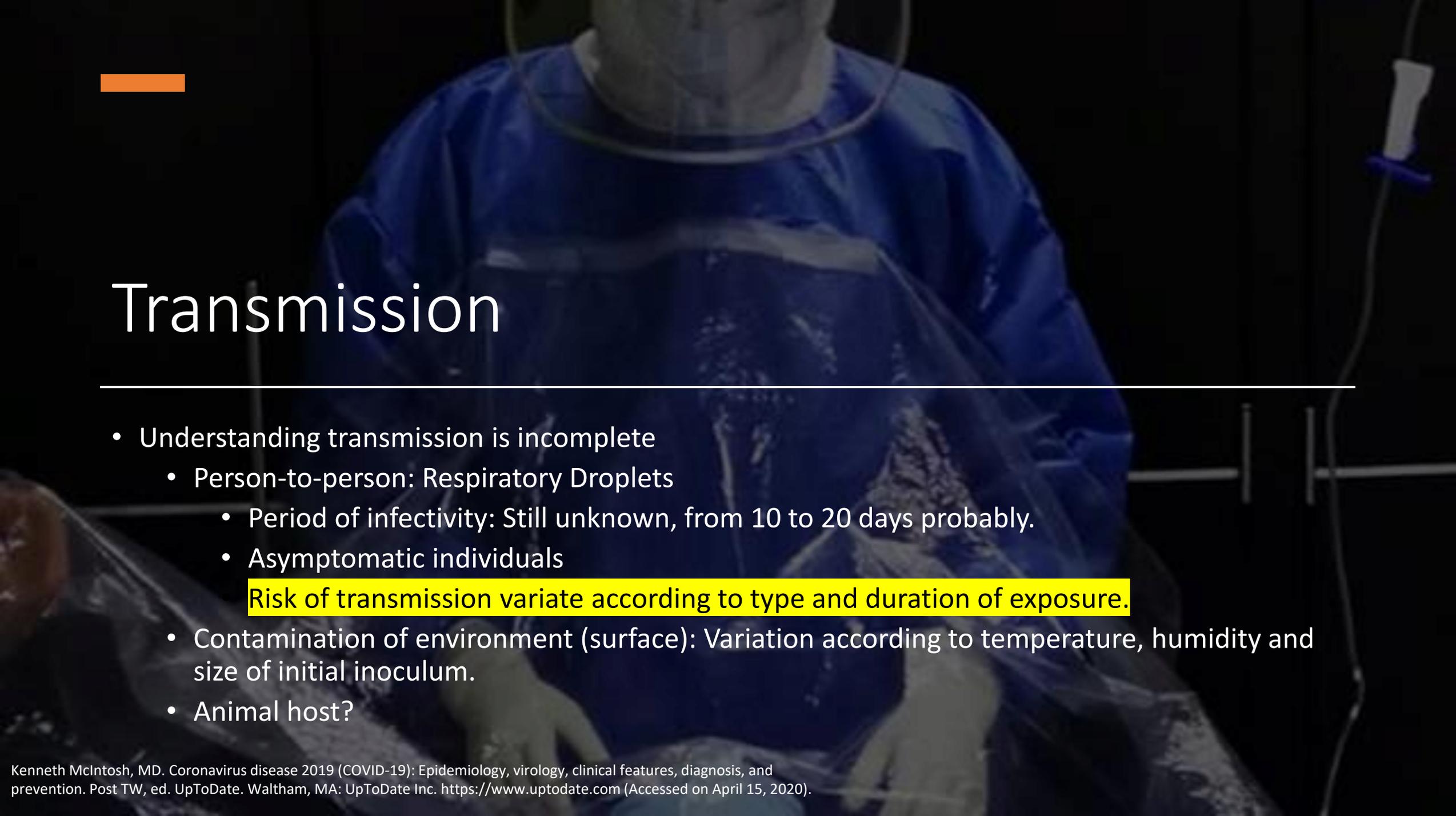
COVID - 19

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)

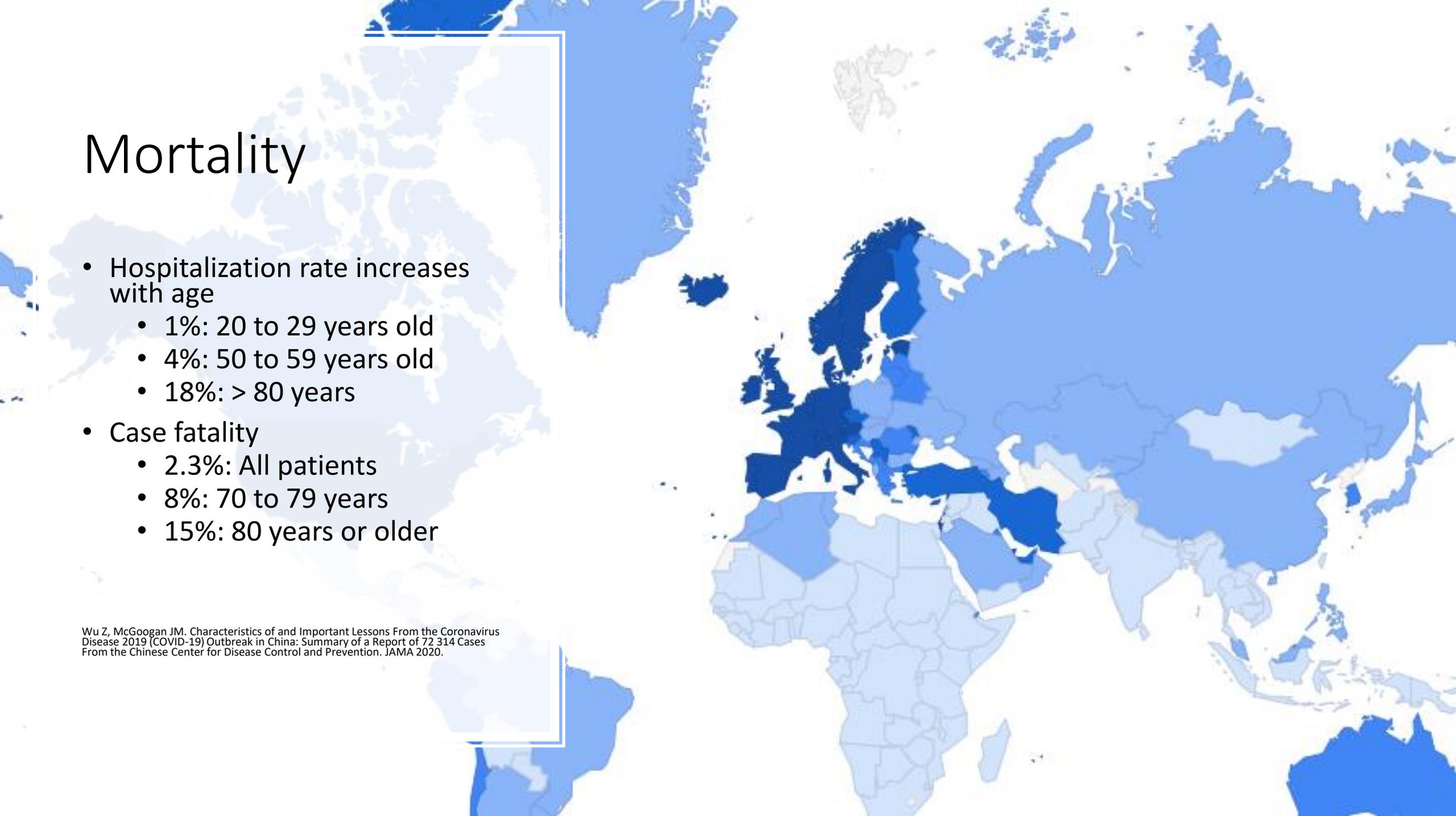
3 of 4 Mexicans have a obesity
or overweight problem

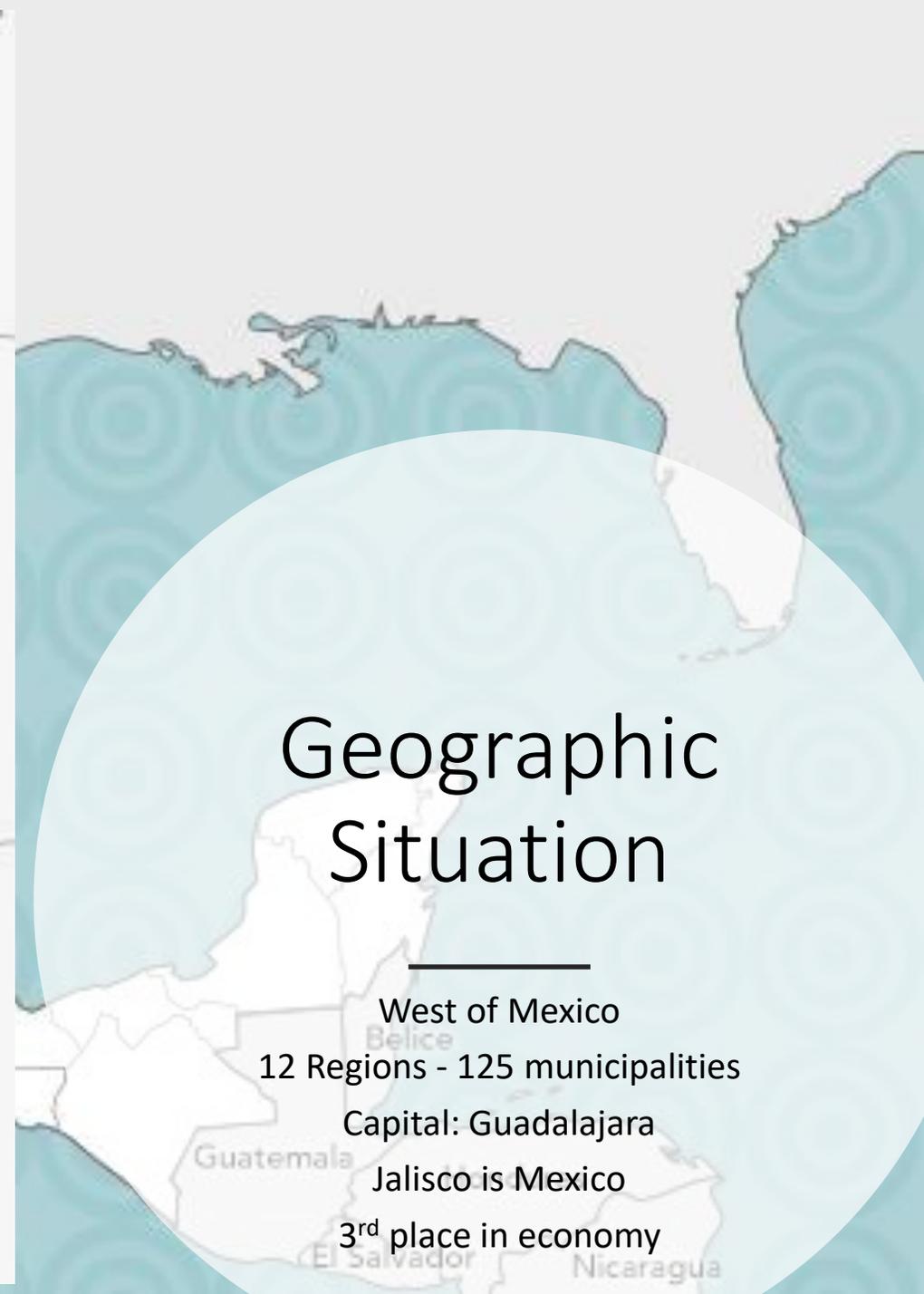
- Kenneth McIntosh, MD. Coronavirus disease 2019 (COVID-19): Epidemiology, virology, clinical features, diagnosis, and prevention. Post TW, ed. UpToDate. Waltham, MA: UpToDate Inc. <https://www.uptodate.com> (Accessed on April 15, 2020).
- Instituto Nacional para la estadística geográfica. INEGI. <https://www.inegi.org.mx/>

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.





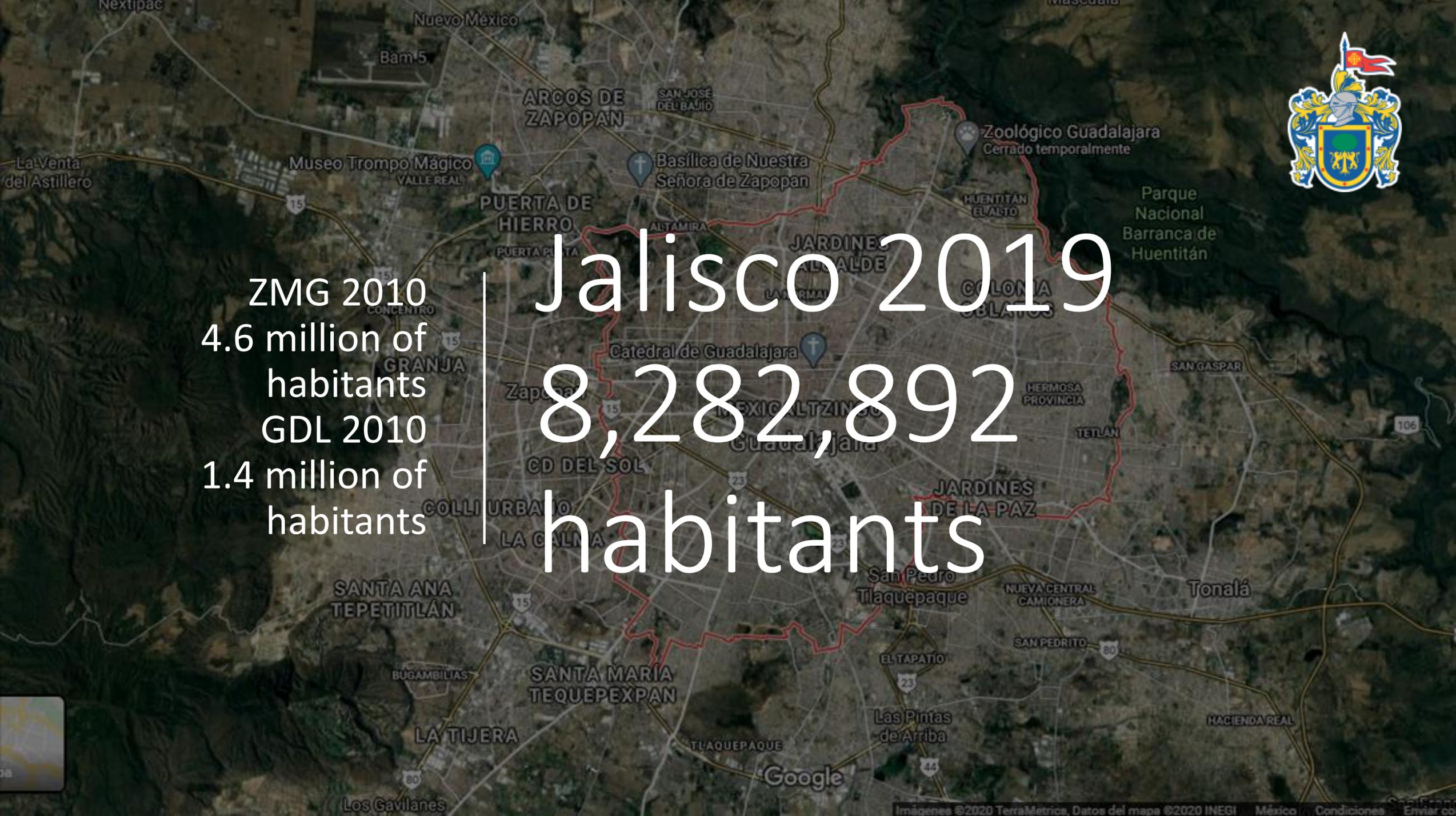
Geographic Situation

- 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

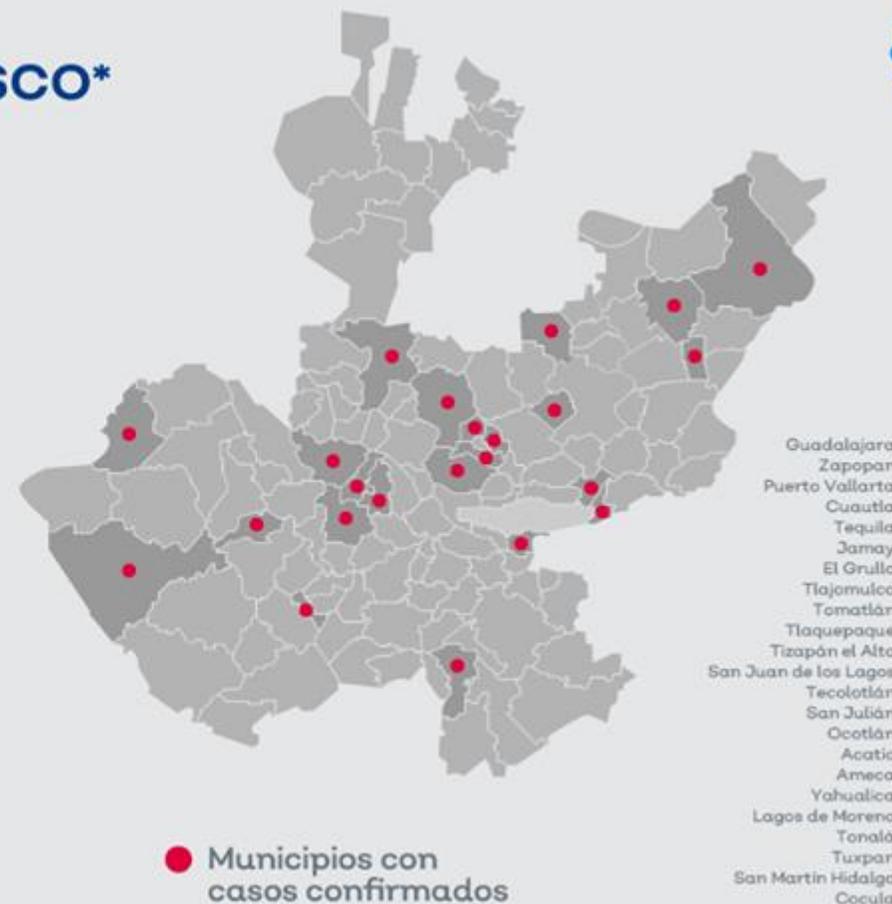


PANORAMA COVID-19 EN JALISCO*

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**





SALUD
SECRETARÍA DE SALUD

INSABI
INSTITUTO DE SALUD PARA
EL BIENESTAR



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INSTITUTO DE SEGURIDAD
Y SERVICIOS SOCIALES DE LOS
TRABAJADORES DEL ESTADO

SEDENA

SECRETARÍA DE LA DEFENSA NACIONAL



"PUBLIC" HEALTH SYSTEM IN MEXICO

SEDENA

SECRETARÍA DE LA DEFENSA NACIONAL



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Y SERVICIOS SOCIALES DE LOS
TRABAJADORES DEL ESTADO



“Public Health System in Jalisco”



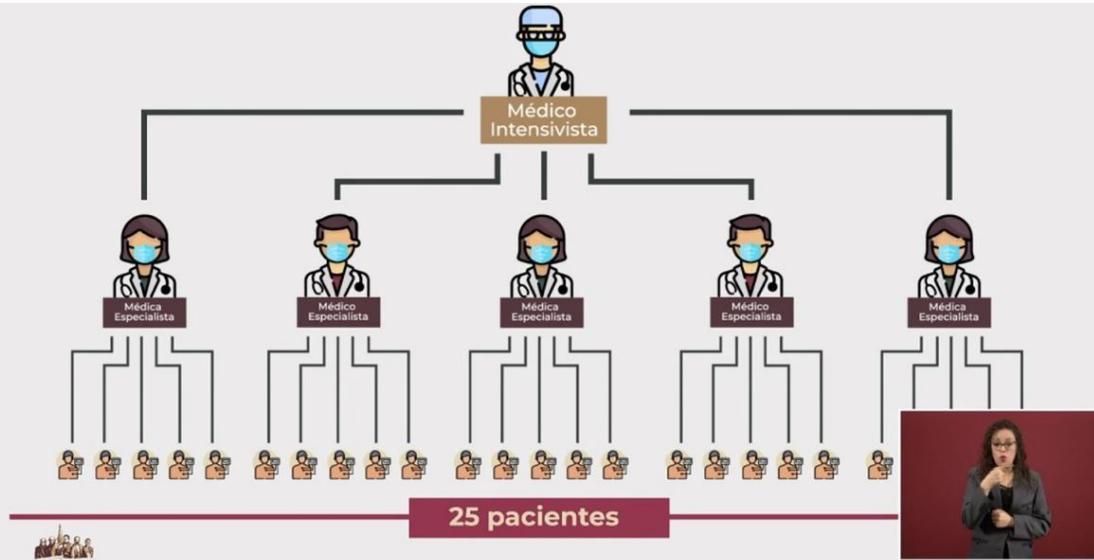
COVID-19 “PUBLIC” HOSPITALS IN JALISCO

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

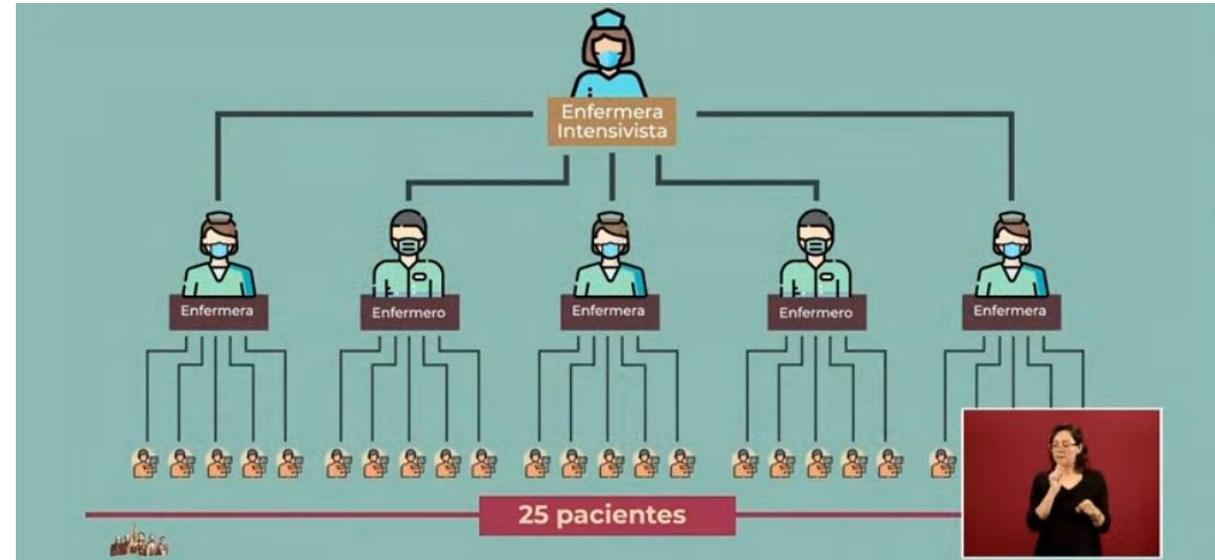
- Hospital General de Occidente
- Hospitales Civiles
- 10 Regional Hospitals + Community Hospital of Colotlán
- Hospital Angel Leño (3rd and 4th phase)
- CMNO IMSS
- HGR 110 IMSS
- Hospital Valentin Gomez Farías ISSSTE
- Regional Military Hospital (SEDENA)
- TOTAL: 3,161 hospital beds



Special Units for COVID-19 in Public Hospitals



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

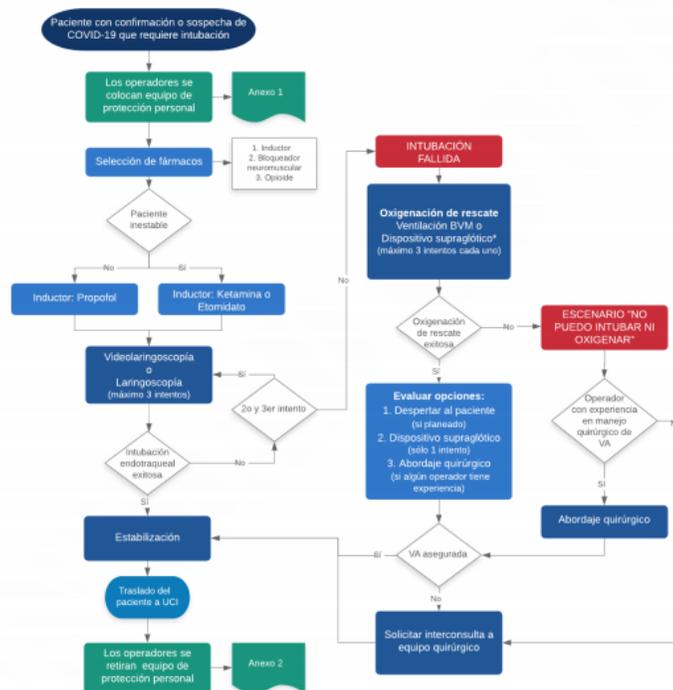


Y el mismo esquema se repite para el caso del personal de enfermería.

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.

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Dr. Eloy Sánchez Hernández
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Dra. Roxana García Salcido
Coordinadora Unidad COVID



Hospitales
Puerta de Hierro®



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





	Prevencción y Control de Infecciones	Revisión: 3	
	Protocolo COVID-19	Fecha de emisión: Marzo -2020	



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

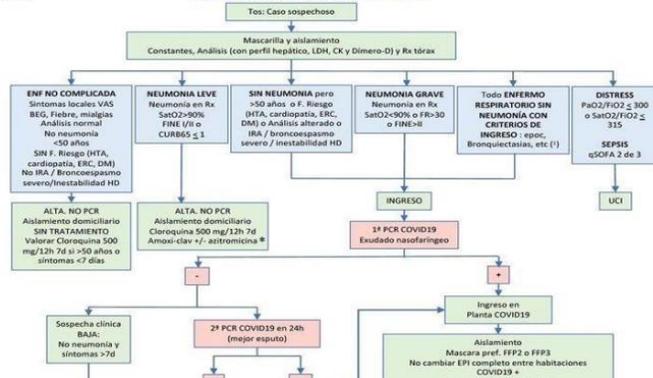
- Malestar general

Equipo de protección personal (EPP):



Anexo 3

ALGORITMO DE MANEJO COVID -19



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



KIT OFICIAL

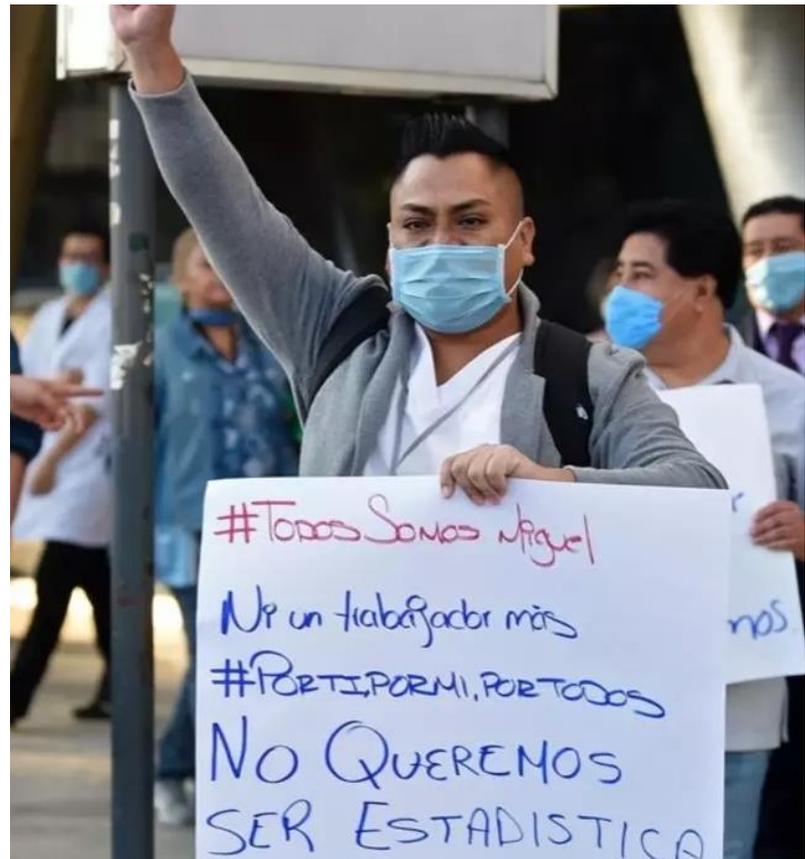
KIT PERSONAL

Tiene un costo de hasta **\$2,500**

■ Guantes

■ Goggles

■ Mascarilla



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

