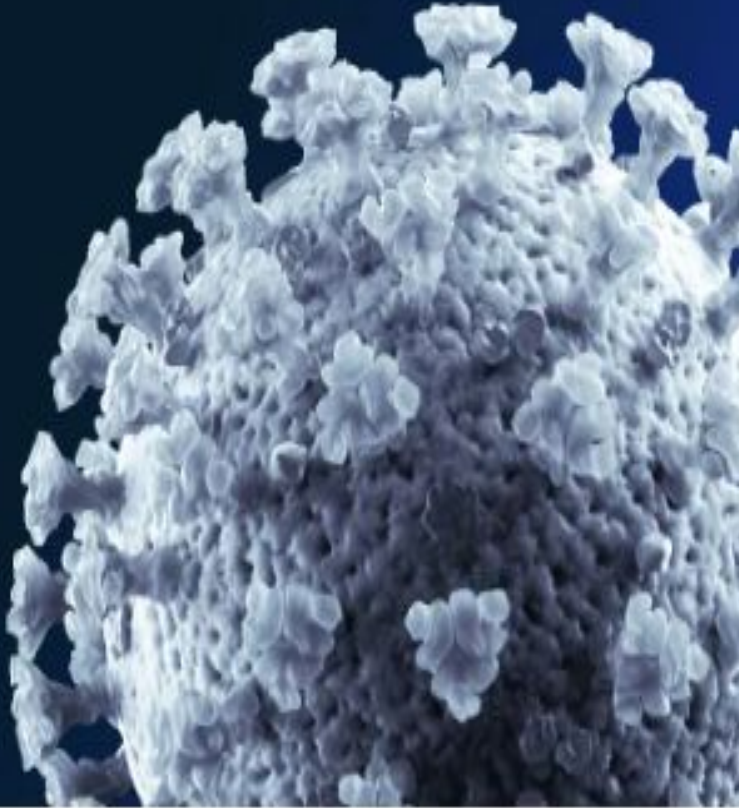


COVID & CDMX



Jonathan Uriel Arriaga

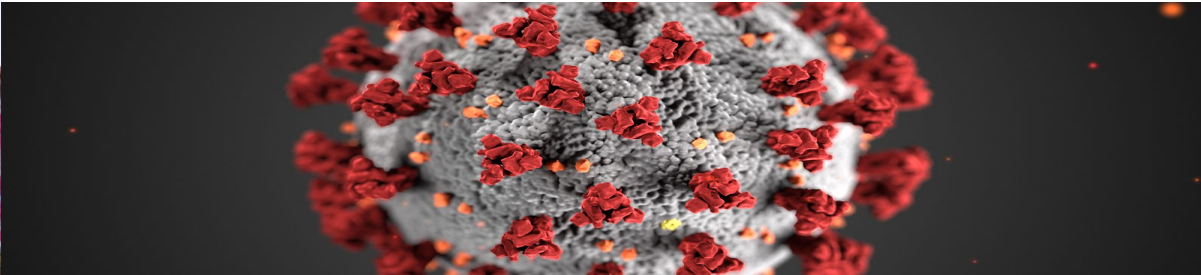
Carlos Rafael Gómez

Hussein Huesca



CDMX Covid Cases & Impacts -Task

- **Understand if there is excess mortality, what are the factors, causes of death before covid and after covid, demographics.**
- **Make recommendations on demographics, and preventions for most vulnerable groups.**

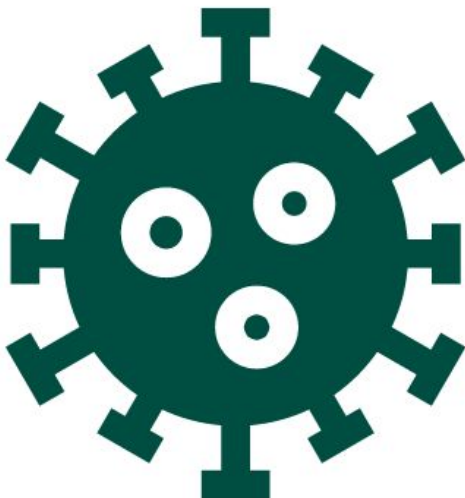




GOBIERNO DE LA
CIUDAD DE MÉXICO

PORTAL DE
DATOS ABIERTOS

🏠 Categorías Covid-19



Covid-19

Source:
<https://datos.cdmx.gob.mx/dataset/actas-de-defuncion-en-el-registro-civil-de-la-ciudad-de-mexico/resource/d683ec6e-171a-4825-a523-2cdbf30f9894>

actas-de-defuncion-en-el-registro-civil-de-la-c...

El conjunto de datos descargable.

📄 Descargar (CSV 45100451KB)

Información adicional

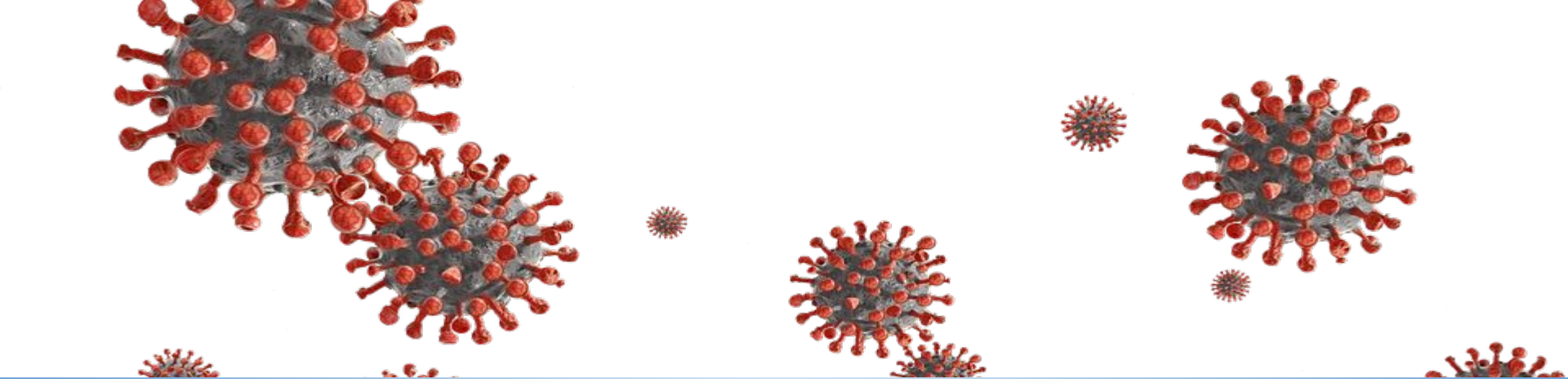
Última actualización de los datos	19 de abril de 2021
Última actualización de los metadatos	19 de abril de 2021
Creado	28 de enero de 2021
Formato	CSV
Licencia	No se ha provisto de una licencia

🗃 Explorador de Datos

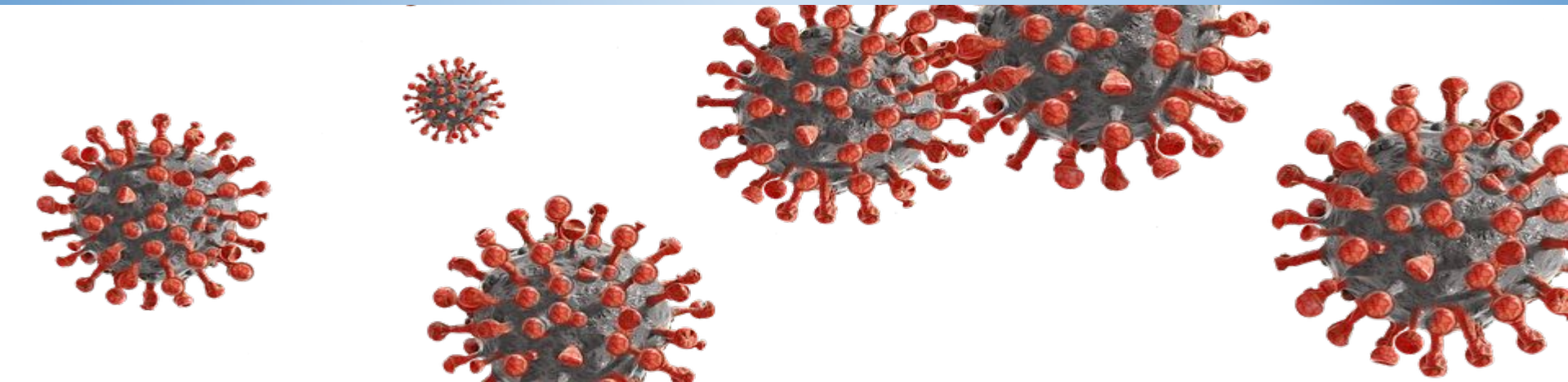
🔗 Pantalla completa </> Incrustar

Agregar Filtro

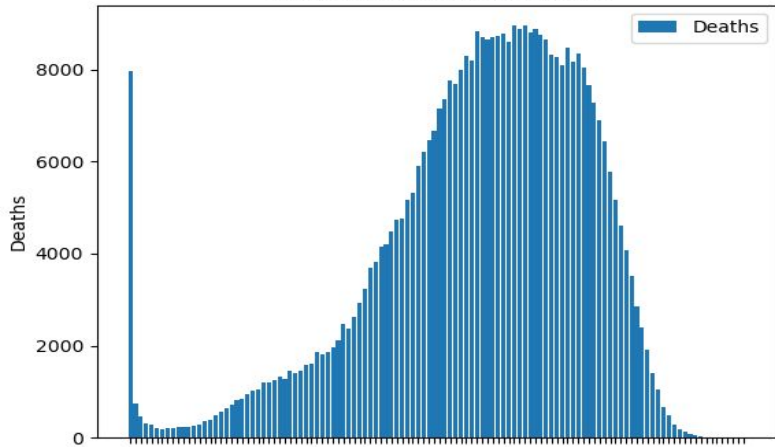
Tabla	Gráfico	Mapa	alrededor de 421000 registros				«	1	–	100	»	Filtros
<div>Buscar datos ...</div>												Ir »
_id	edad	sexo	fec_de...	estado	causa	causa_...	alcaldia	Lugar...	num_			
47589	73	Mujer	2021-0...	CIUDA...	Covid-...	INSUFI...	GUSTA...	Hospital	37%			



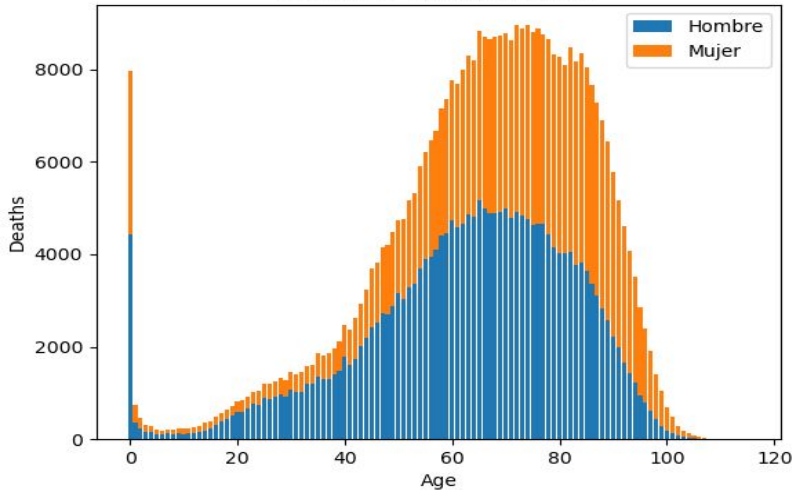
Insights



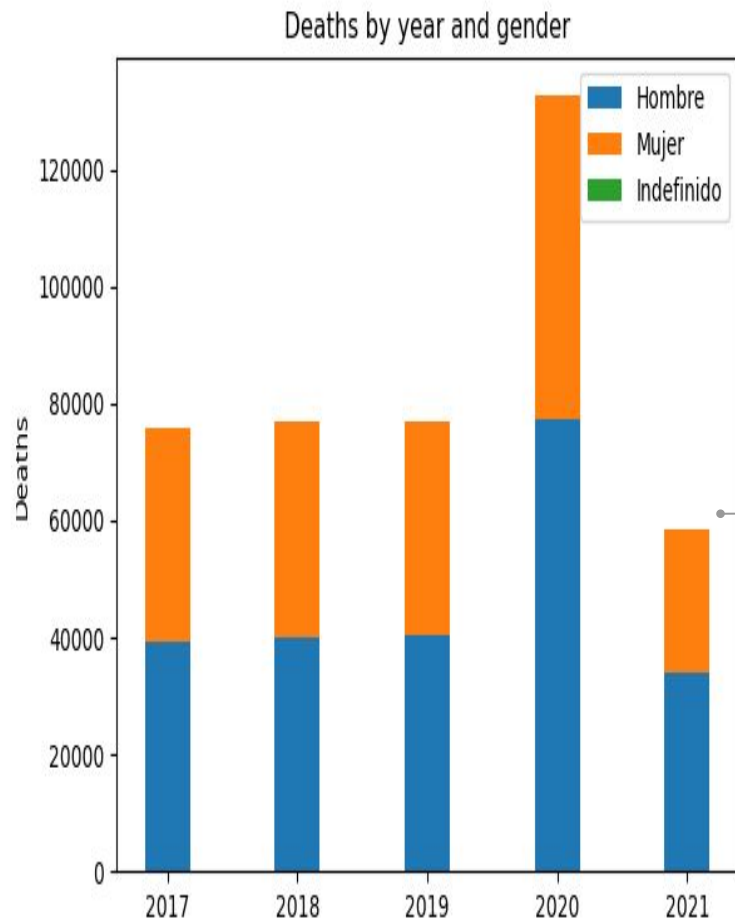
Deaths from 2017 to YTD2021



Deaths by Age and gender



COVID19 is more lethal
in Mexican Men
We found a large
number of deaths with
undefined Age

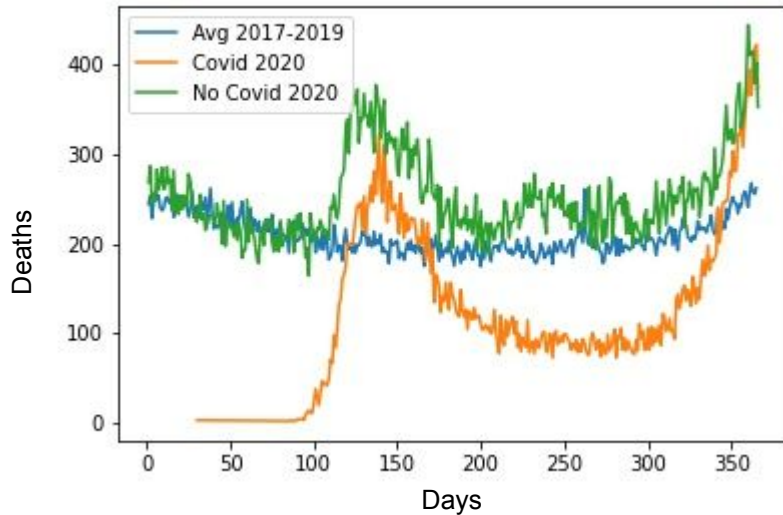


Outlier in 2020: 55K deaths

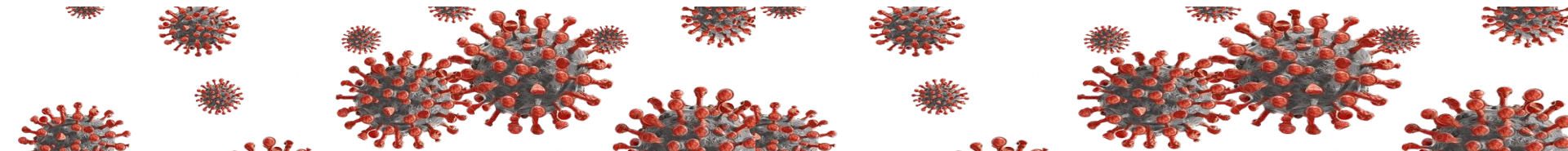
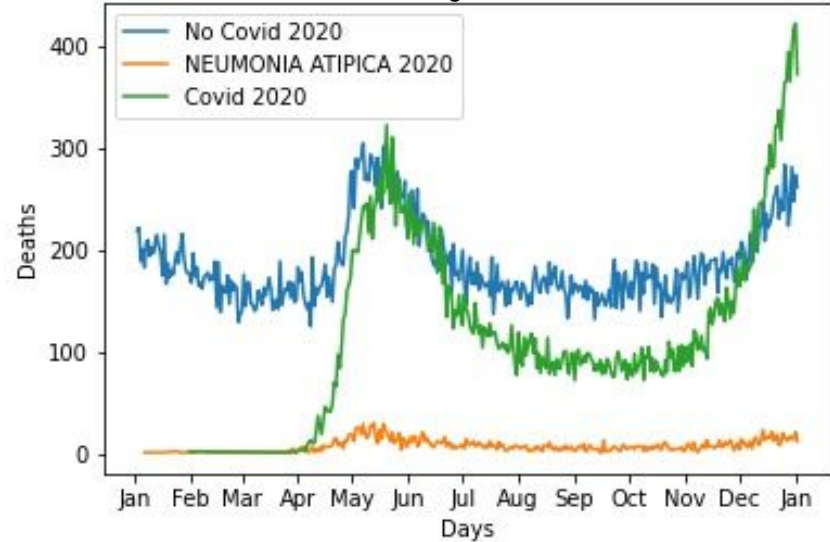
YTD 2021 (Mid April): would be the worst year if we cannot stop the linear tendency

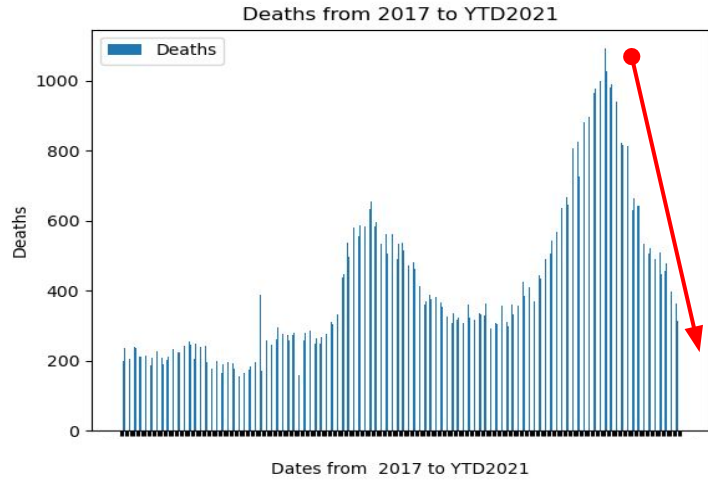
COVID was not the only main driver for the outlier of deaths in 2020

Comparison of average Deaths between 2017 and 2019 vs Covid19.

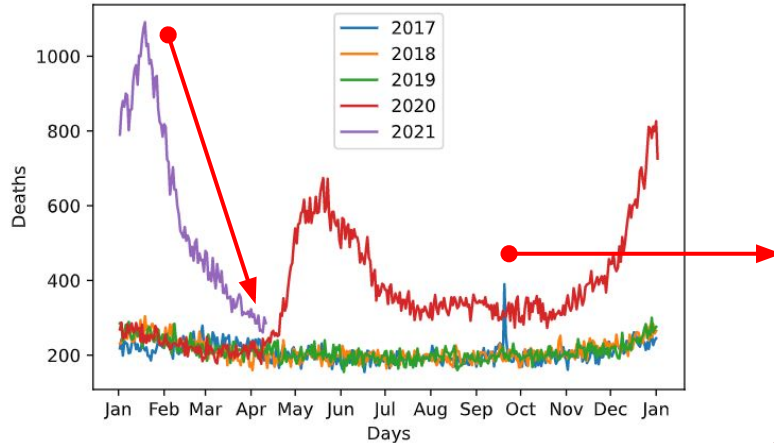


Comparison between Atypical pneumonia versus covid 19 during 2020.



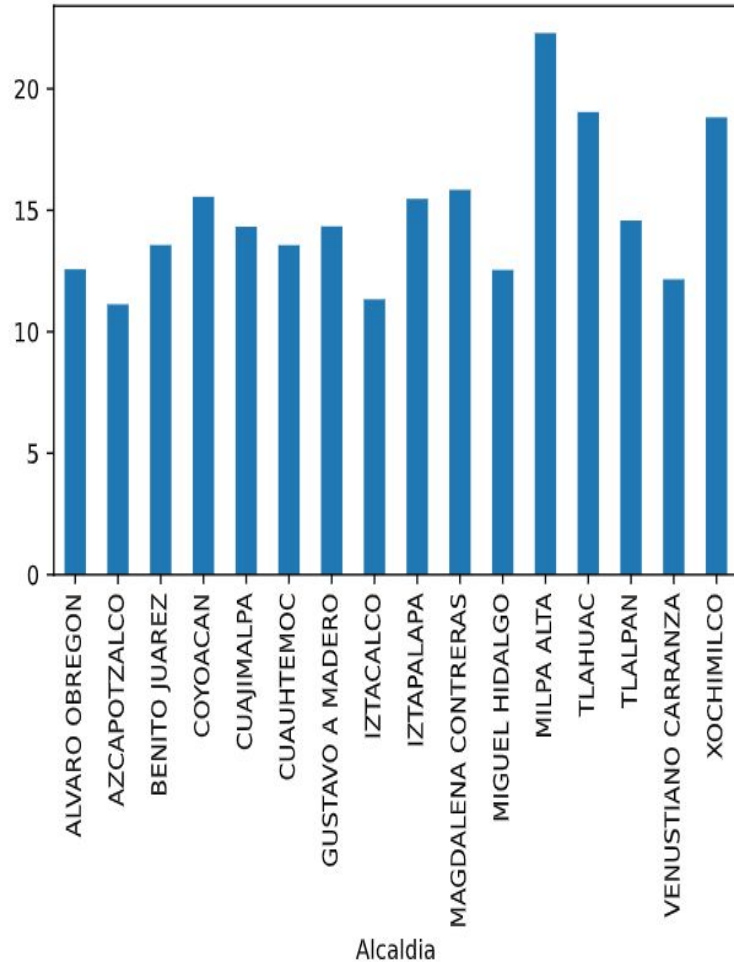


There is a decrease tendency
in 2021, therefore previous
year tendency would be
wrong



Outlier in Sept '17
(Earthquake)

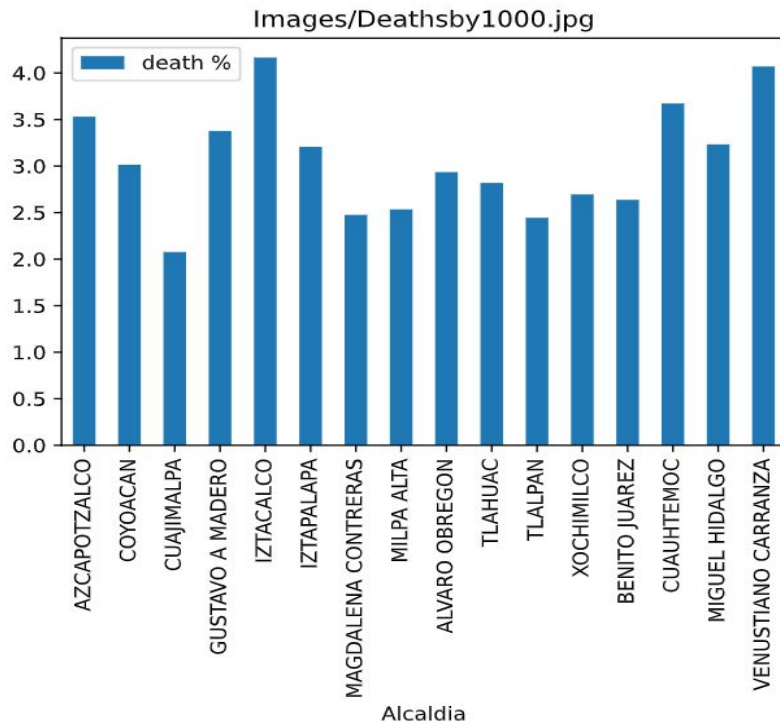
% Muertes en Domicilio



Alcaldia

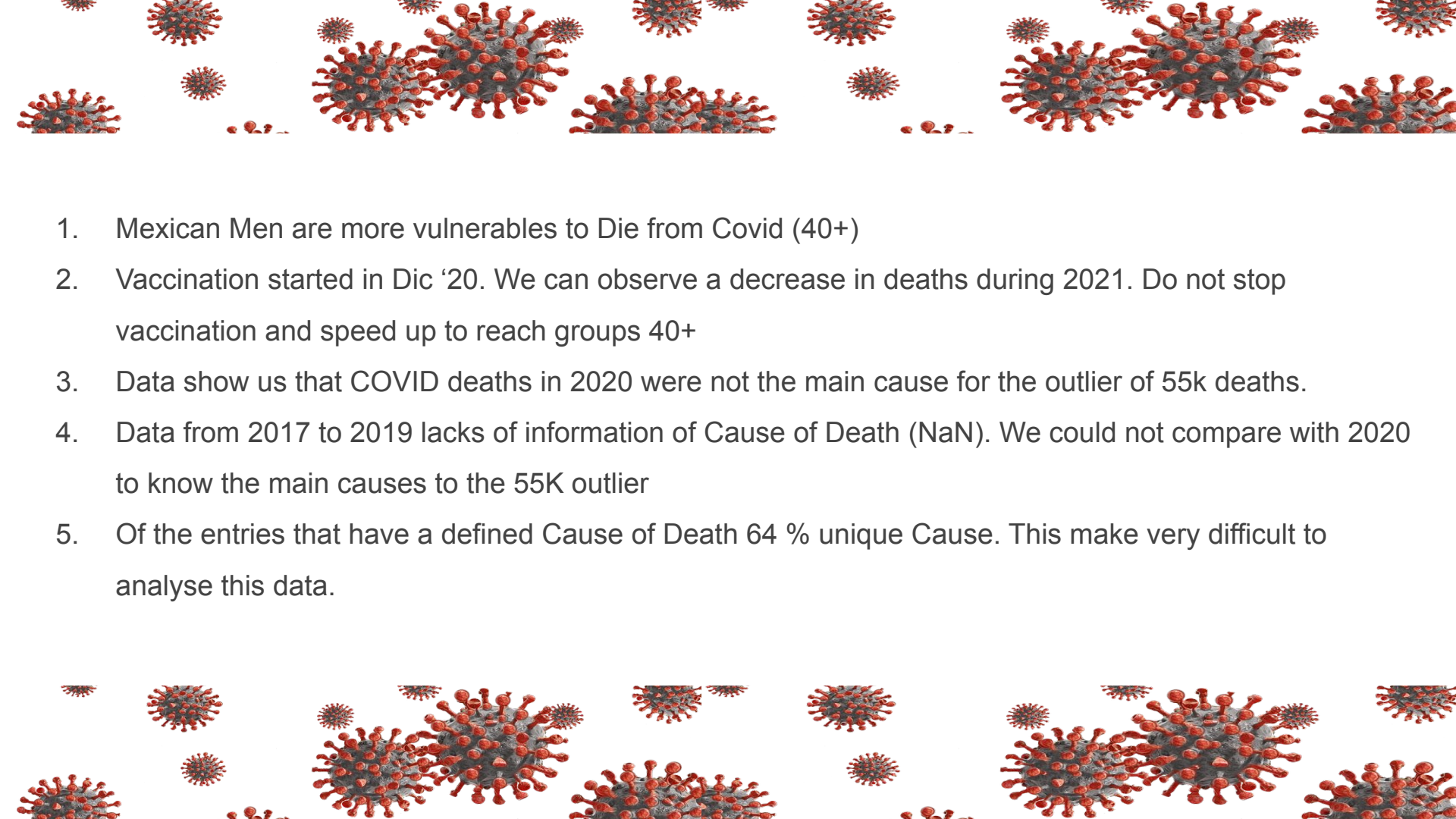
Not all people died in Health
Care Institutions.
No information to know what
are the causes to die at home

Iztacalco the main “*alcaldia*” affected in 2020





Learnings & Conclusions

- 
1. Mexican Men are more vulnerables to Die from Covid (40+)
 2. Vaccination started in Dic '20. We can observe a decrease in deaths during 2021. Do not stop vaccination and speed up to reach groups 40+
 3. Data show us that COVID deaths in 2020 were not the main cause for the outlier of 55k deaths.
 4. Data from 2017 to 2019 lacks of information of Cause of Death (NaN). We could not compare with 2020 to know the main causes to the 55K outlier
 5. Of the entries that have a defined Cause of Death 64 % unique Cause. This make very difficult to analyse this data.



Thank You!