

Overview

A Include: Deceased ICU Ventilated Hospitalized

B Update

to_patient_id	covid19_statuses	last.status	age_splits	gender_concept_name
A000801	positive	discharged	[18,59]	
A000936	positive	discharged	[59,74]	
A001375	positive	discharged	[18,59]	FEMALE
A001942	positive	discharged	[18,59]	MALE
A002052	positive	discharged	[18,59]	MALE
A002279	positive	discharged	[18,59]	MALE
A002304	positive	discharged	[59,74]	MALE
A002471	positive	discharged	[18,59]	MALE
A003797	positive	deceased	[59,74]	MALE
A005097	positive	discharged	[18,59]	MALE
A005163	positive	discharged	[59,74]	MALE

C

Outcome

- Hospitalized (only)
- Ventilated
- ICU
- ICU + Ventilated
- Deceased
- Deceased + Ventilated
- Deceased + ICU
- Deceased + ICU + Ventilated

D Select Patient Manually

A000801

Select a Random Patient

E

A264703 - Day: 1

A264703 - Day: 1

A264703 - Day: 3

A264703 - Day: 7

A264703 - Day: 8

F Select picture at observation point

3 day(s) from most critical obs

-1 day(s) from most critical obs

26 day(s) from most critical obs

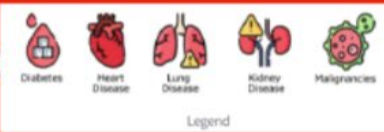
G Blend segmentation

The dashboard of PACO for the clinical experts. (A) Patient type inclusion. (B) Filtering of patients. (C) Scatterplot showing the number of X-rays vs. hospitalization days per patient. (D) Manual patient selection (otherwise, brushing the scatterplot can be used). (E) X-rays of most similar patient. (F) Time filtering. (G) Blending the lung segmentation over the X-rays.

Display Textual Description instead of infographic

A

B

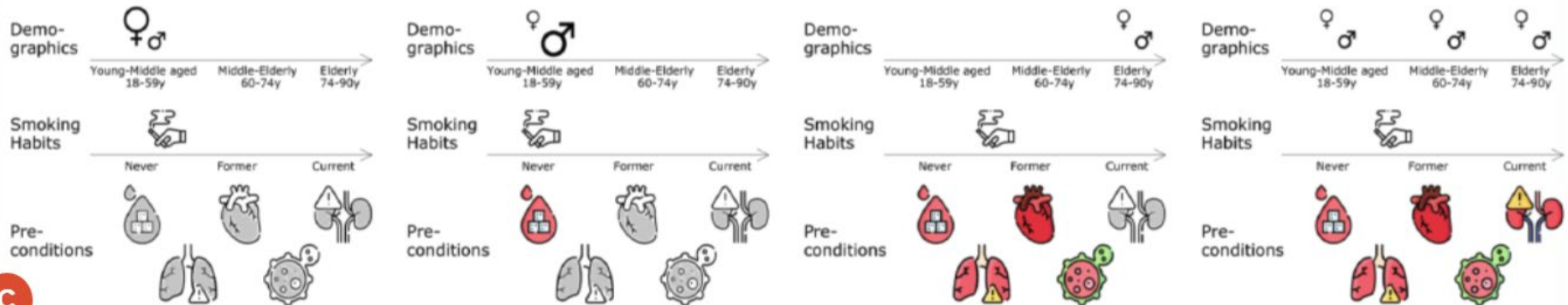


Group 1 - Healthy Young to Middle Aged:

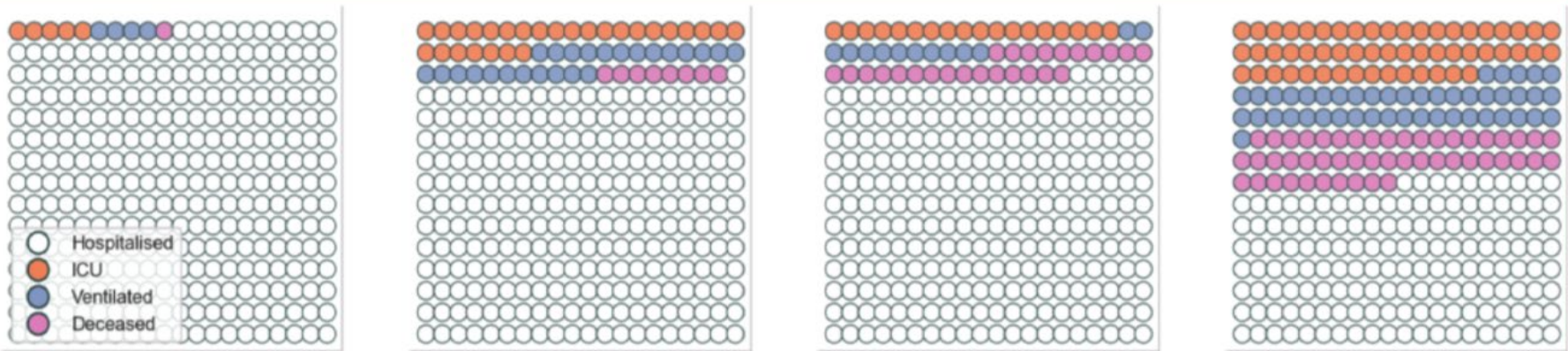
Group 2 - Less Healthy Young to Middle aged:

Group 3 - Elderly High Risk:

Group 4 - High Risk:



C



D

Out of a 100 Patients in this group, 5 patients were admitted to the ICU, 4 patients had to be Ventilated, and 1 died.

Out of a 100 Patients in this group, 27 patients were admitted to the ICU, 24 patients had to be Ventilated, and 8 died.

Out of a 100 Patients in this group, 18 patients were admitted to the ICU, 12 patients had to be Ventilated, and 25 died.

Out of a 100 Patients in this group, 55 patients were admitted to the ICU, 46 patients had to be Ventilated, and 49 died.

The dashboard of PACO for the general population. (A) Selection of infographic vs text. (B) Legend for the pre-conditions. (C) Showing the characteristics of the four groups, as resulting from the clustering (demographics, smoking, pre-conditions). Highlighting is used to show whether a pre-condition exists or not. (D) Representation that shows the ratio of people that were hospitalized vs. ventilated vs. deceased vs. in ICU in the four aforementioned groups. A textual description is also used at the bottom of each representation.