Investigating the interactions of frailty, age and illness severity during COVID-19

Data range for infographic: 01.03.2020-01.04.2022
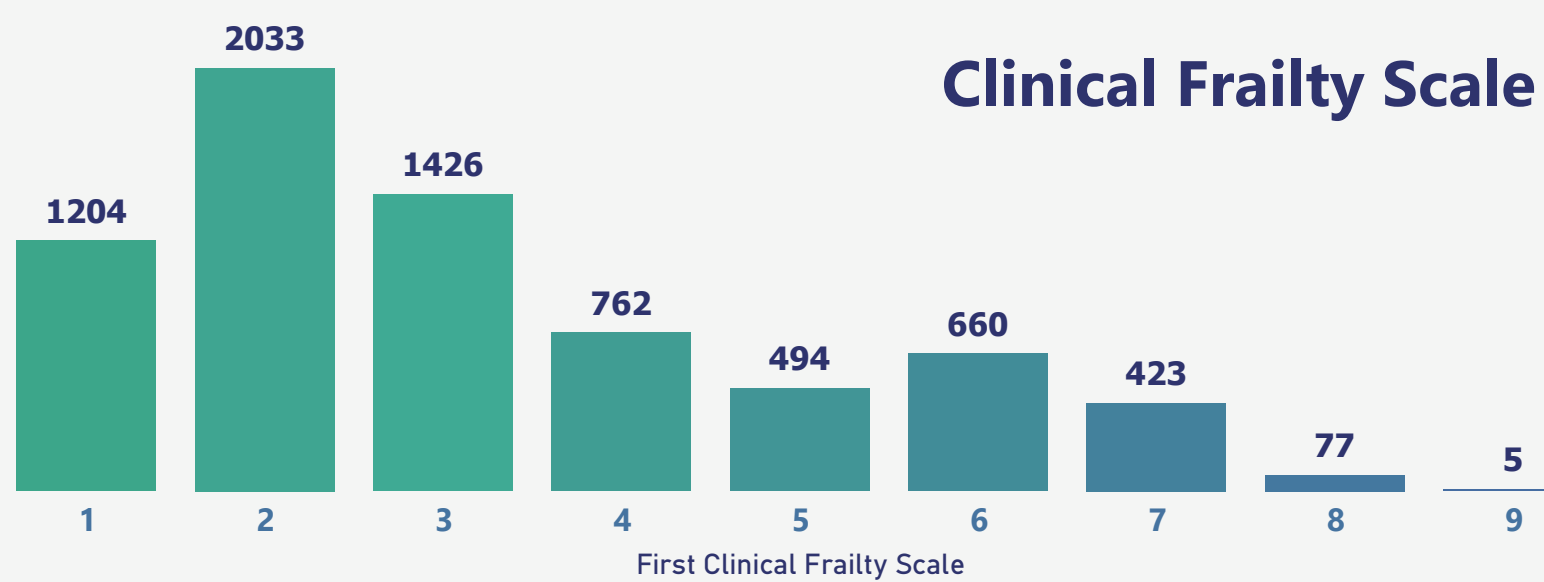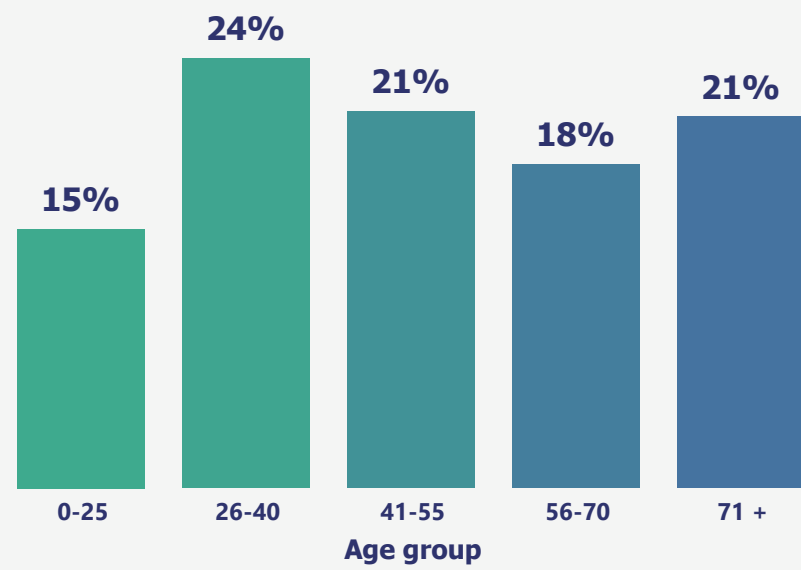**Other extended time periods are available on request**

Longitudinal data of interactions of frailty, age and illness severity on outcomes in 327,346 adults admitted during the COVID-19 pandemic. Demographics, acuity, all investigations and results, medications, outcomes including readmissions and death.

Demographic

The dataset includes:
- adults **72%** (ages 17-64)
- Older adults **28%** (ages 65+).

58% of patients are of White ethnic background. Followed by **14%** Asian, **4%** Black, African or Caribbean, **2%** Mixed and **23%** Other/Not Stated.

Age group bar chart:
- 0-25: 15%
- 26-40: 24%
- 41-55: 21%
- 56-70: 18%
- 71 +: 21%

Age group

Clinical Frailty Scale

First Clinical Frailty Scale bar chart:
- 1: 1204
- 2: 2033
- 3: 1426
- 4: 762
- 5: 494
- 6: 660
- 7: 423
- 8: 77
- 9: 5

First Clinical Frailty Scale

Observations

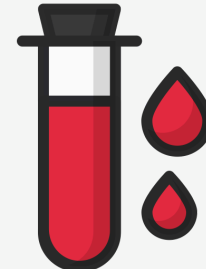Median result for each observation:

- **134** Systolic blood pressure
- **80** Diastolic blood pressure
- **36.30** Temperature

Other observation are available.

Lab Analysis

Average result for each initial laboratory test:

- **38.27** Albumin
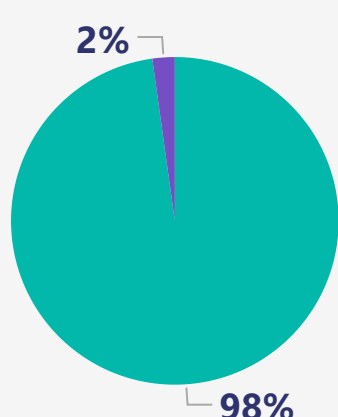- **98.11** Alkaline Phosphatase
- **39.20** C-Reactive Protein

Other lab samples are available.

Inpatient care

- **327,346** Hospitalised acute spells during COVID19; containing **327,346** unique patients
- **702,268** days worth of inpatient stays with an average in-hospital length of stay of **2** days
- The median Hospital electronic record frailty index (Herfi) is **0.33** with a mean Herfi of **0.37**
- The overall mortality rate is **1.71%** and the number of survived patient is **321,733**
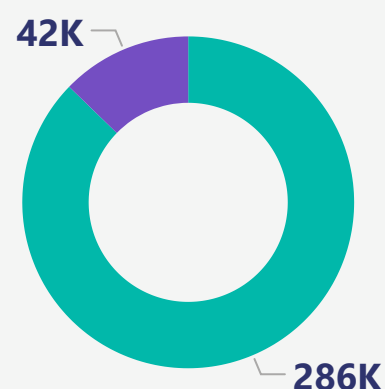- **9,770** COVID-19 positive patients and **100,287** COVID-19 negative patients

Admission to ITU

Legend: ● Not admitted to ITU ● Admitted to ITU

- Admitted to ITU: 2%
- Not admitted to ITU: 98%

- **359** patients for active resuscitation in ITU

Emergency readmission within 30 days

- Readmitted: 42K
- Not readmitted: 286K

Legend: ● Not readmitted ● Readmitted

- **23,682** patients readmitted within 7 days

Other associated data available upon request

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