

Dynamic CO-CIN report to SAGE and NERVTAG

Dynamic content updated: 2020-05-27 22:07:14.

Executive summary

The COVID-19 Clinical Information Network (CO-CIN) collated clinical information from the usual health care records of people of all ages admitted to hospital in the UK.

Up to 10th March people with positive swabs were admitted to hospital as part of the containment strategy. Since 10th March, admission is mostly based upon need for treatment of COVID-19 disease. The great majority of cases in the community do not require hospital admission.

In total up until 27 May 2020, CO-CIN has recruited **48101 patients** with confirmed Coronavirus (Figure 1).

The CO-CIN dataset represents 18% (48101/267,240) of cases of confirmed Coronavirus cases in the UK, per the PHE daily reports (last updated 9am on 27 May).

Patient data is collected and uploaded from start of admission, however a complete patient data set is not available until the episode of care is complete. This causes a predictable lag in available data influenced by the duration of admission which is greatest for the sickest patients.

The geographical location of our patients can be seen in Figure 2, of these 958 had travelled abroad recently, and 6749 reported visiting or working in a hospital where COVID-19 cases are being managed.

The median age is 73 (range: 0-1090.3917808), Male/Female 24018/17468.

The most common symptoms were cough (65%), fever (64%) and shortness of breath (63%) (Figure 3A). 1767/37921 (5%) of patients have reported no symptoms. Comorbidity can be seen in Figure 3B. The most common comorbidities were chronic cardiac disease (30%), chronic pulmonary disease (17%) and diabetes without complications (17%). 18285/48101 (38%) of patients have reported no co morbidity. 240/3325 (7%) of women were recorded as being pregnant.

For patients not already in hospital, the median time from onset of symptoms to presentation at hospital was 4 days (range: 0 - 368894 days).

The median length of hospital stay was 8 days (interquartile range: 4-15, n = 31349). 4537/29501 (15%) patients required high-flow oxygen after day 1 of treatment.

Currently 11586 patient(s) have died and 5702 required ICU. 19476 have been discharged home.

Interpretation: The dataset is increasingly more representative of the burden of disease requiring hospitalisation and captures the early exponential rise of disease incidence that is now increasingly driven by domestic transmission events in the community.

Furthermore, we can now see 'hot spots' of disease incidence that largely reflect areas of high population density (most notably London) with a few exceptions to this. There are more men than women, consistent with reports from other countries. The proportion of pregnant women affected is broadly in line with the proportion of pregnant women in the general population.

The commonest comorbidity is chronic cardiac disease, reflecting patterns seen in other countries, although nearly a quarter of patients admitted do not have underlying comorbid disease.

Patients documented as being admitted to ICU are mainly 50-75 years old. When interpreting admission to ICU it is important to remember that we are currently unable to capture treatment limiting decisions regarding level of care.

Prof Calum Semple, Professor in Child Health and Outbreak Medicine, University of Liverpool.

Dr Annemarie Docherty, Academic Consultant Intensive Care University of Edinburgh.

Dr Chris Green, Academic Consultant Infectious Disease University of Birmingham.

Prof Ewen Harrison, Director Centre for Medical Informatics, Usher Institute, University of Edinburgh (analysis).

Professor Tom Solomon, Director HPRU Emerging and Zoonotic Infection.

ISARIC Investigators (Prof. Peter Horby, Prof. Peter Openshaw, Dr Gail Carson, and Dr Kenneth Baillie).

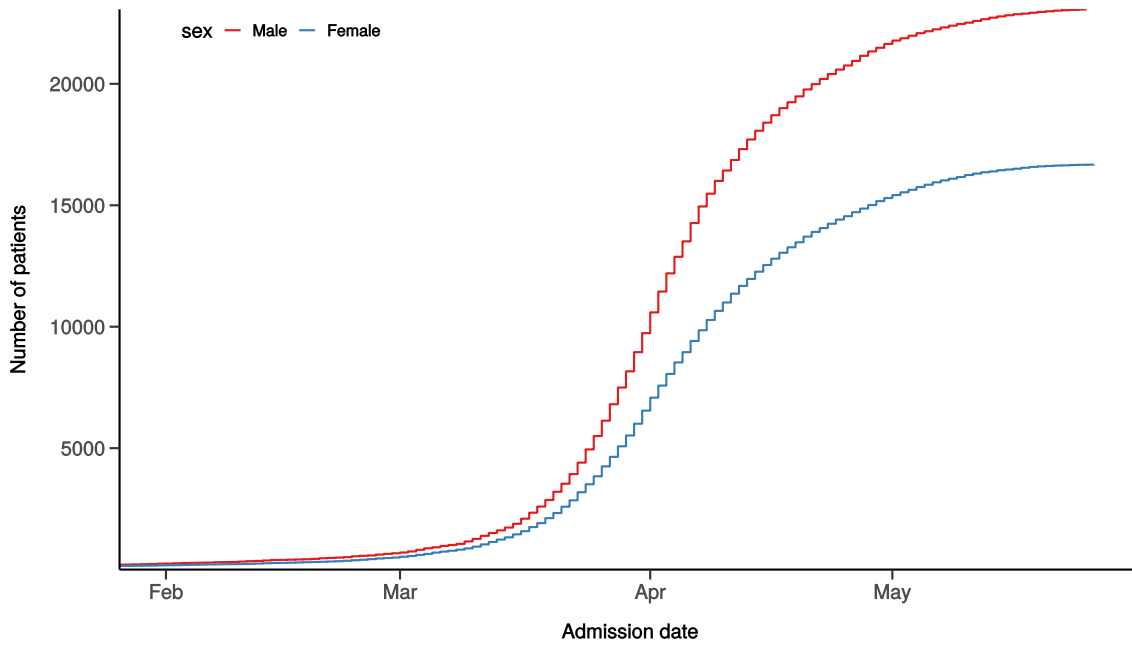
Analytics: Lisa Norman, Riinu Pius, Thomas Drake, Cameron Fairfield, Stephen Knight, Kenneth McLean, Katie Shaw.

Admission

Figure 1

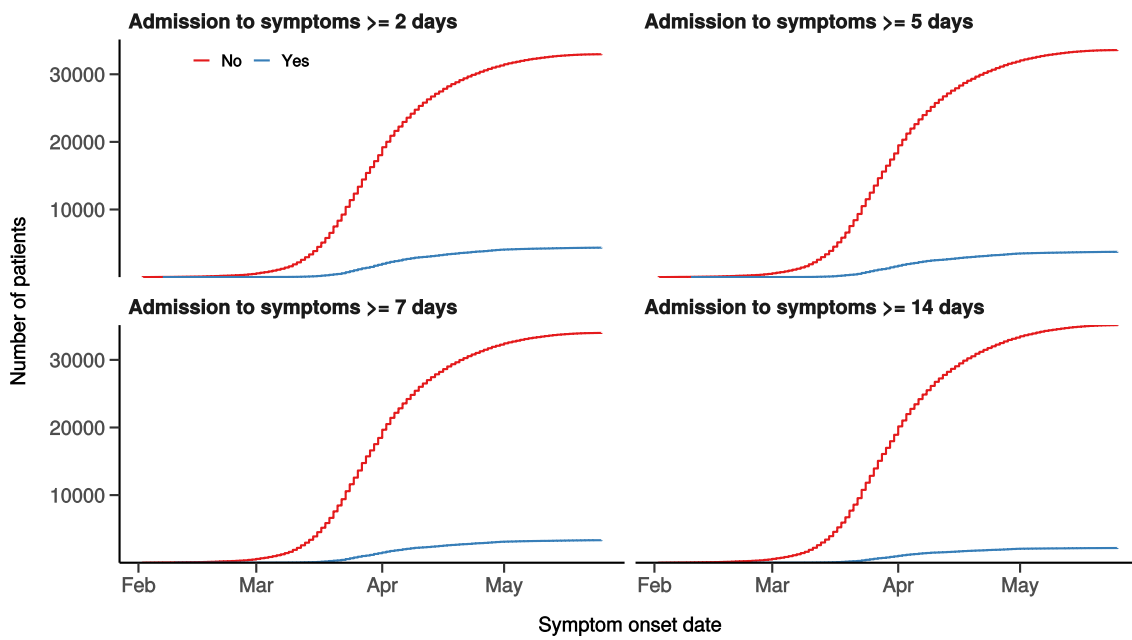
Hospital admission with COVID-19 by sex

Figure 1A



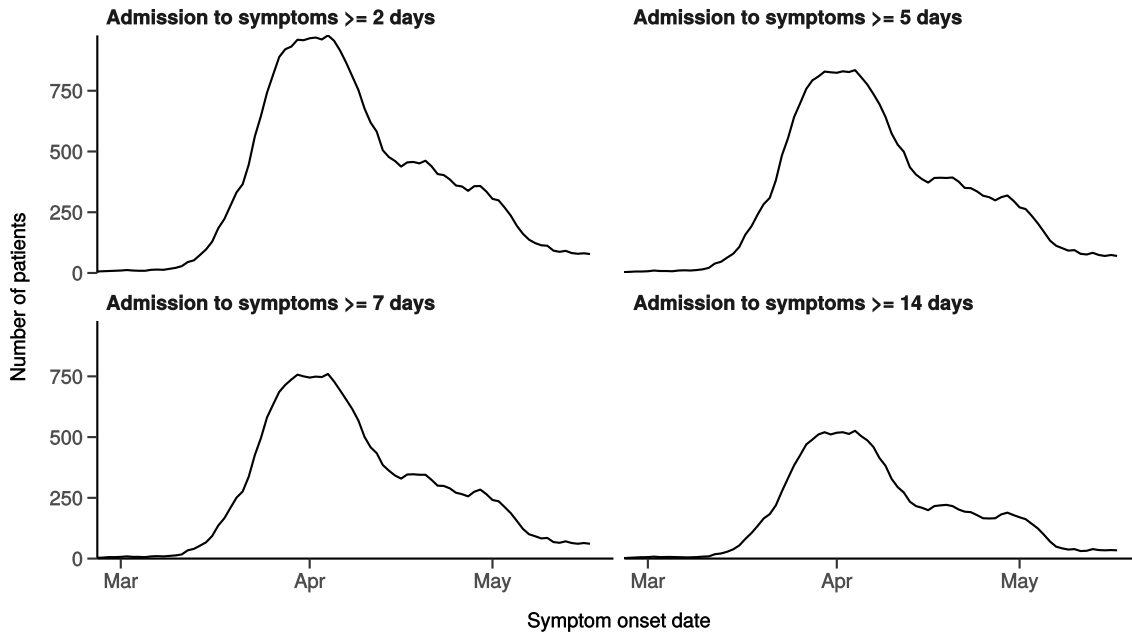
Number with symptom onset occurring after admission to hospital

Figure 1B



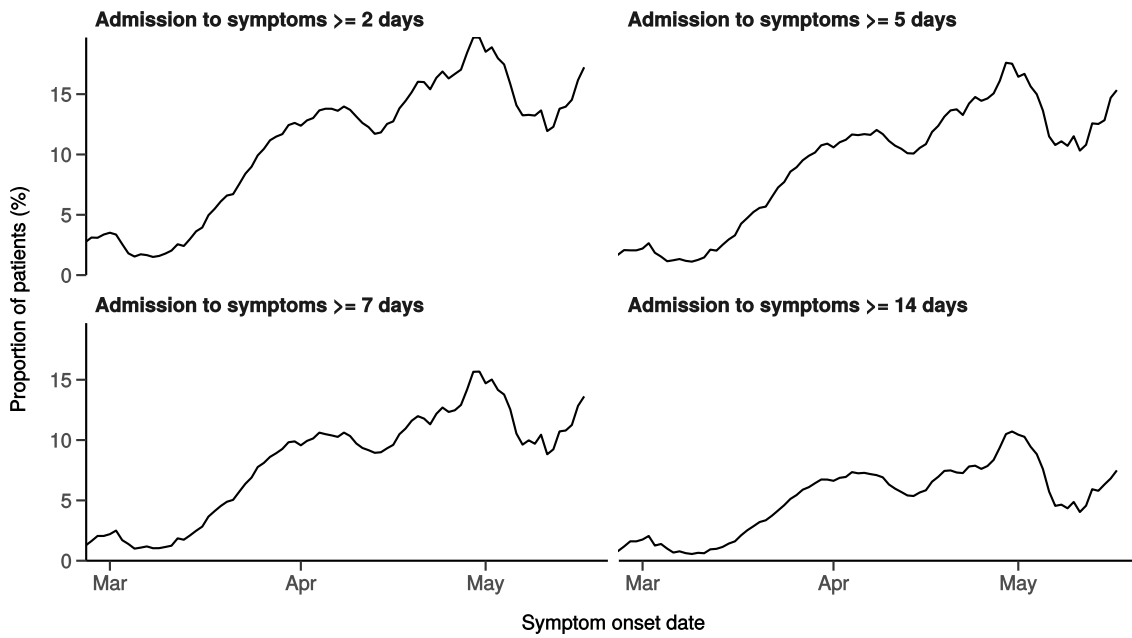
Number with symptom onset occurring after hospital admission

Figure 1C - 7-day rolling count. n = 37337



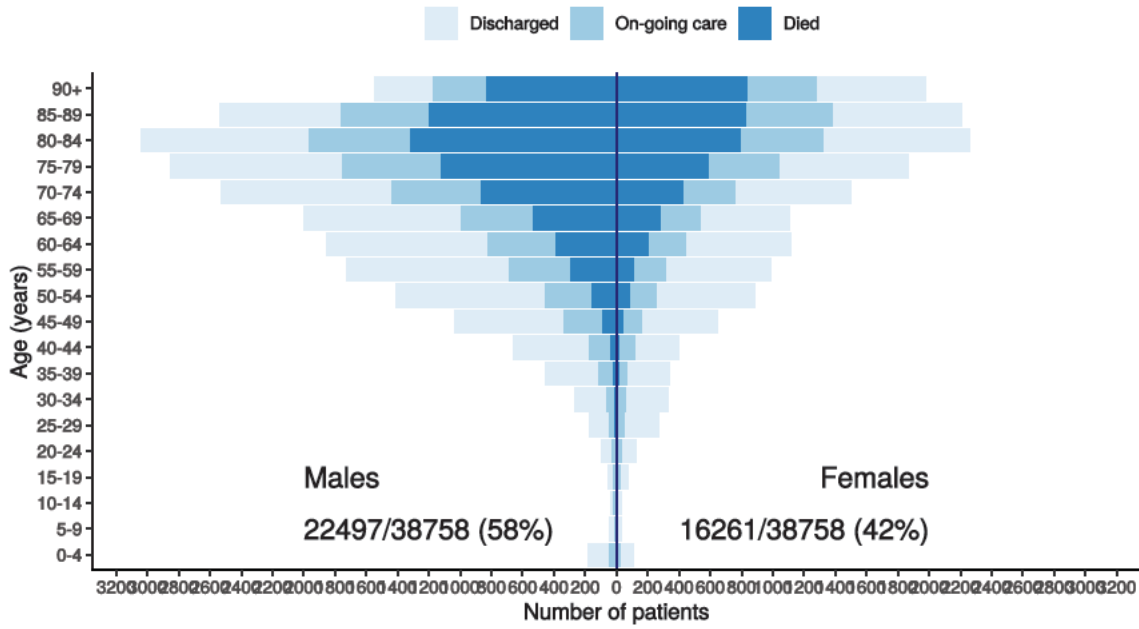
Proportion with symptom onset occurring after hospital admission

Figure 1D - 7-day rolling percentage. n = 37337



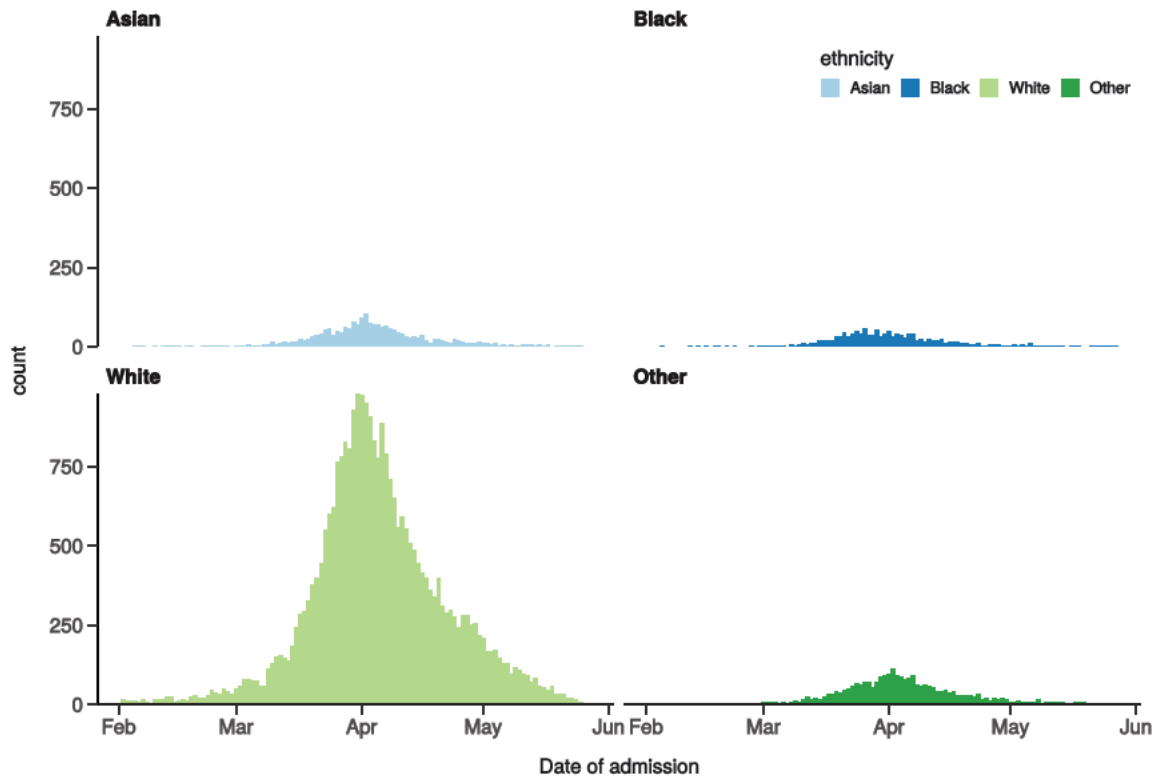
Patients with outcome stratified by age, and sex

Figure 1E



Hospital admission with COVID-19 by ethnicity

Figure 1F

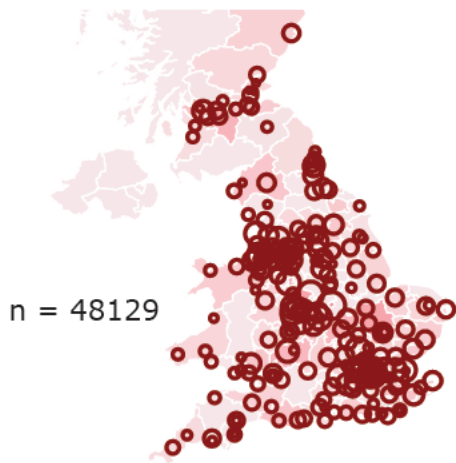


Location by CCG / Healthboard

Figure 2

Click and drag on map to zoom into area. Reset via toolbar at top of map.





Symptoms and comorbidity

Figure 3A

Symptoms on presentation to hospital (% patients, n = 37644)

Figure 3A

Comorbidity (% patients, n = 37748)

Figure 3B

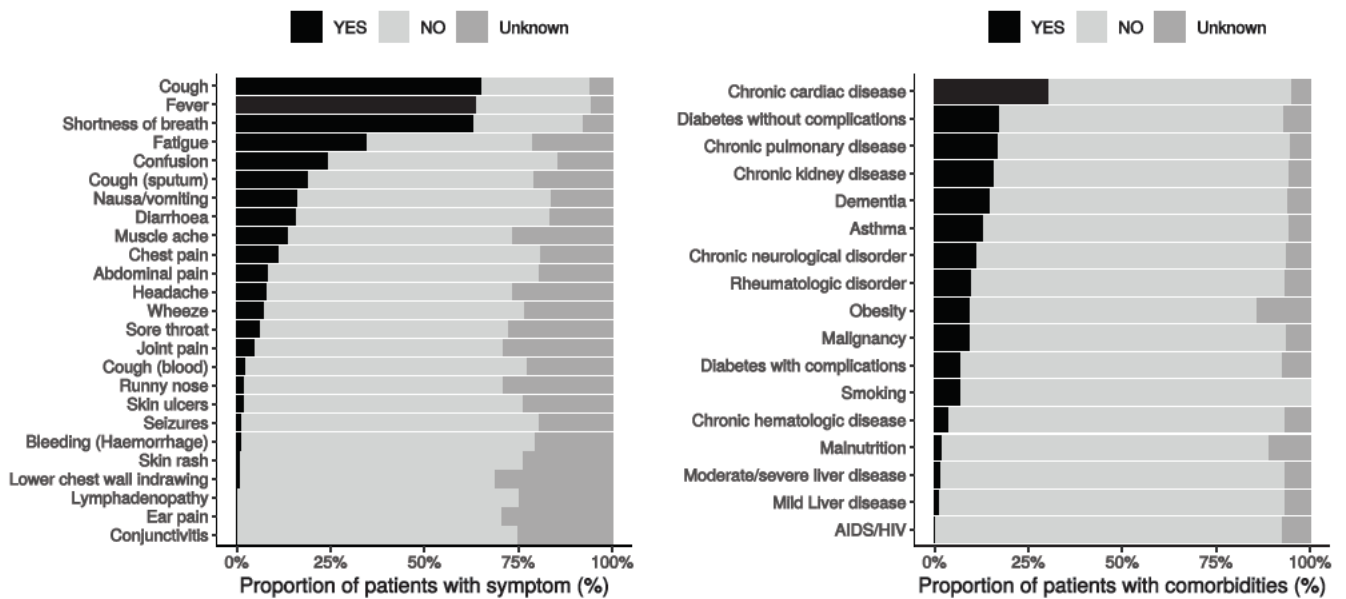
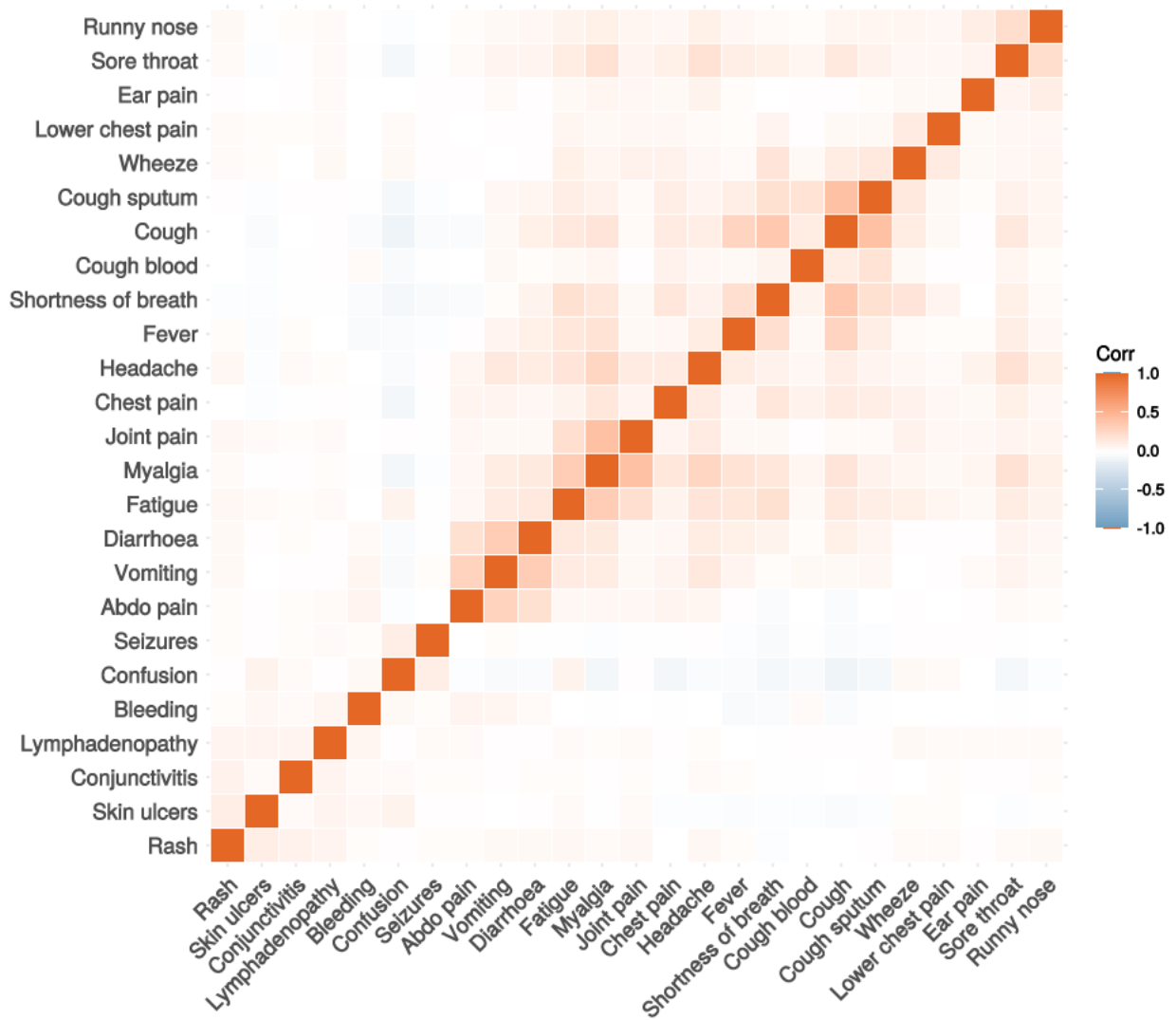


Figure 3C

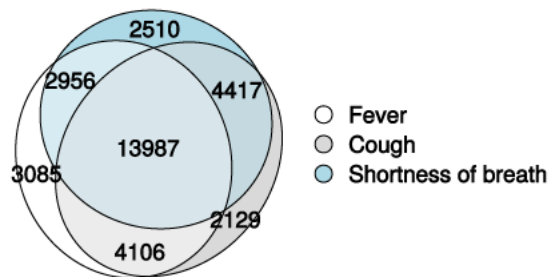
Correlation of symptoms in all pages. Note clusters, top right to bottom left, flu-like, coryzal, abdominal, respiratory, neurocutaneous.



Symptoms (diagnostic criteria)

Figure 4A

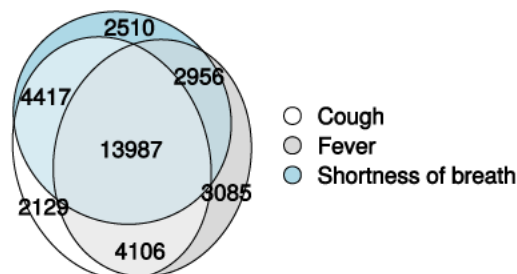
n = 37644



Symptoms (most common)

Figure 4B

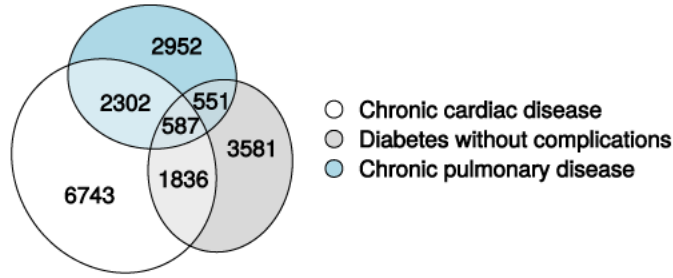
n = 37644



Comorbidity (most common)

Figure 4C

n = 37748



Medication prior to illness

Figure 5

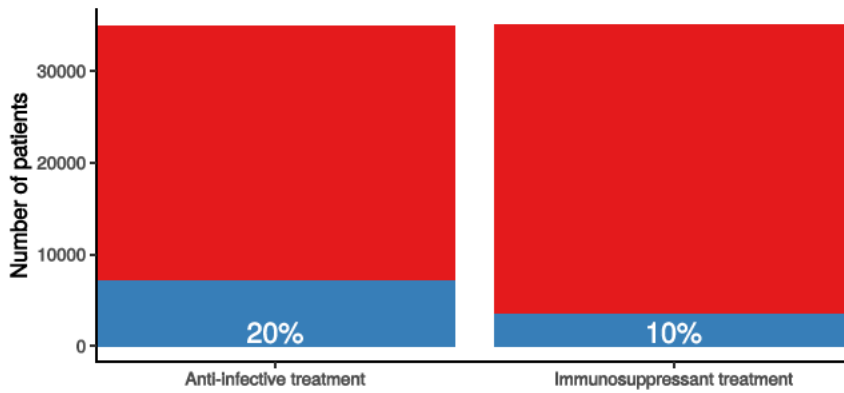
Preadmission treatment

Figure 5

Pre-admission treatment

Anti-infectives for illness episode (left) immunosuppressants including oral (not

■ No ■ Yes



Patient flow

Figure 6A - All patients

N = 39000

Patient status by day

Cumulative for discharge/death

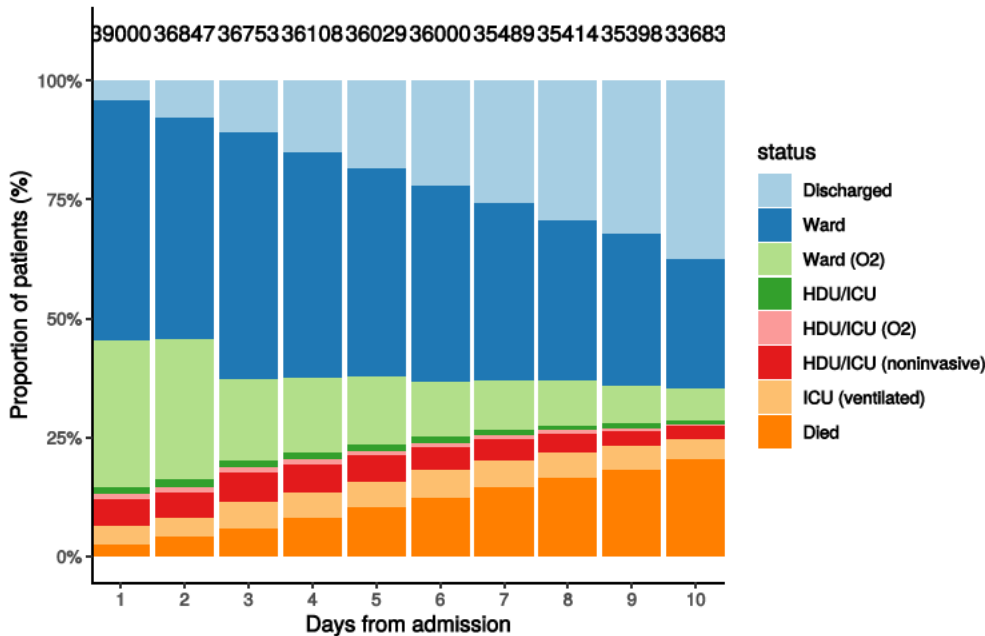
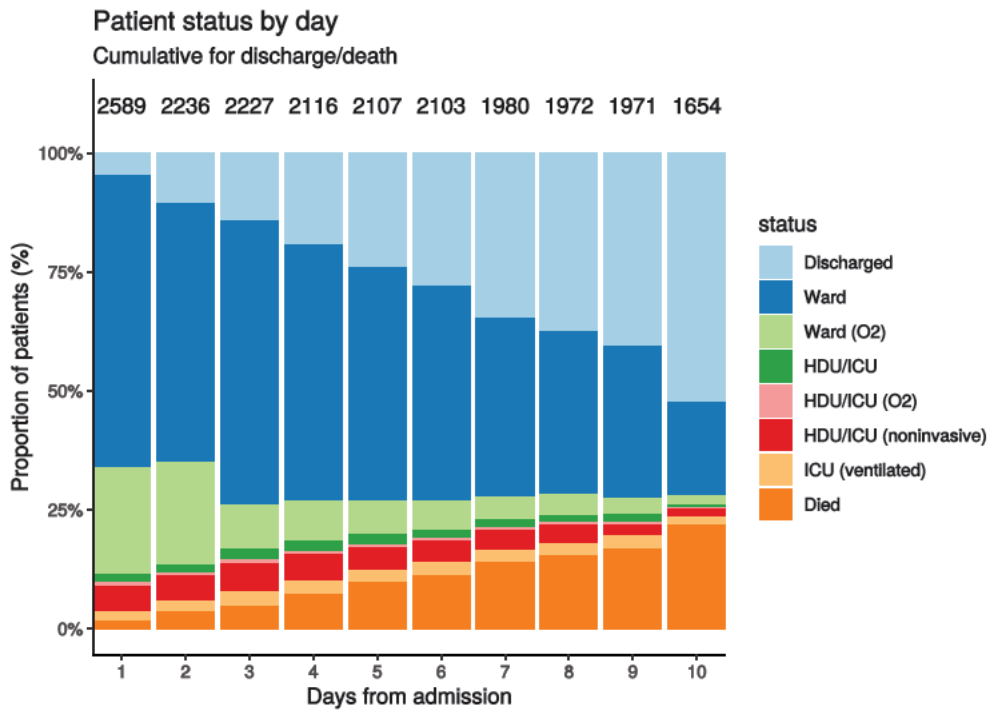


Figure 6B - Patients admitted ≥ 14 days and ≤ 28 days ago

N = 2589



Oxygen requirement

Figure 7A - All patients

N = 36331

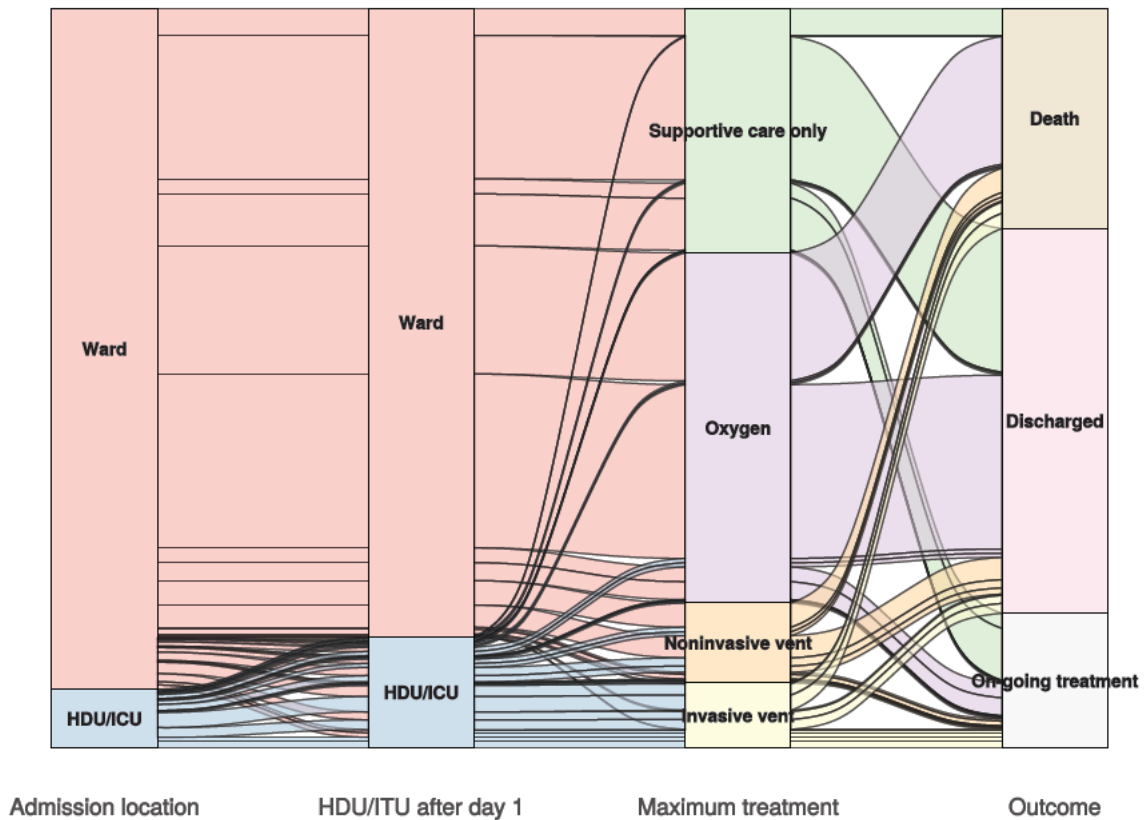
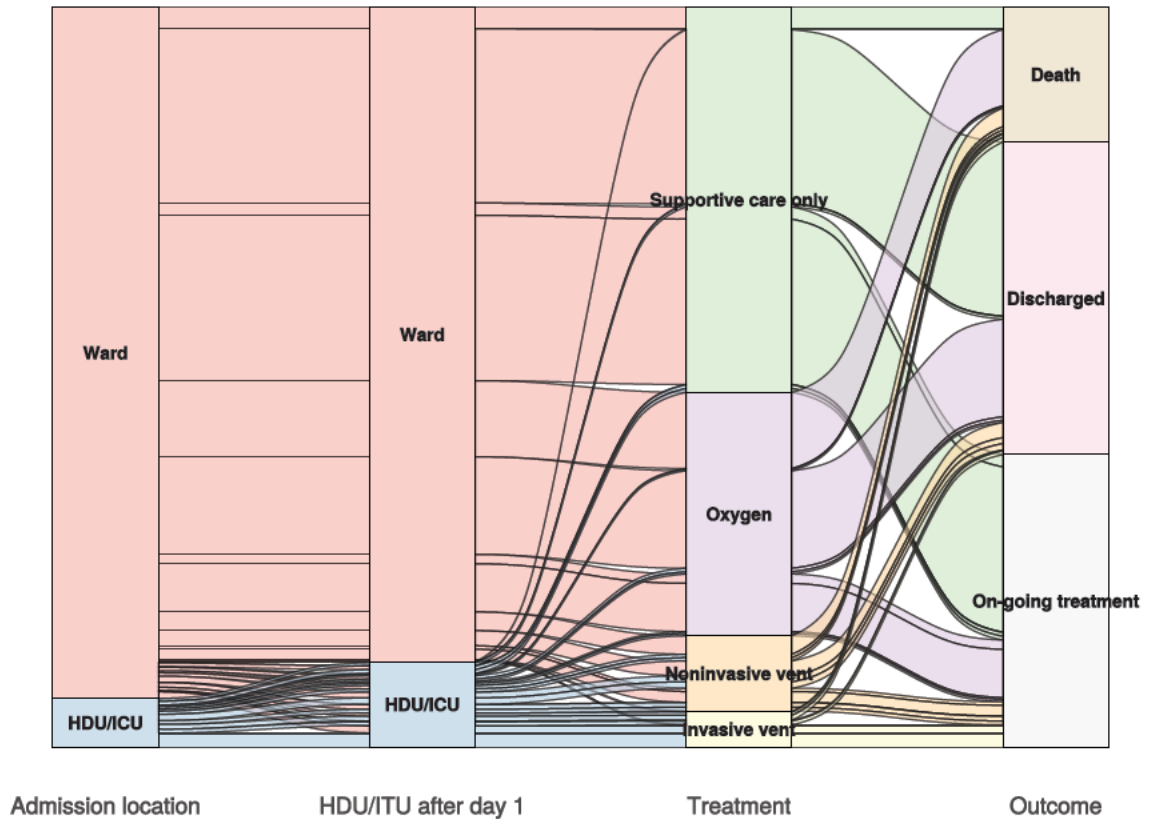


Figure 7B - Patients admitted ≥ 14 days and ≤ 28 days ago

N = 2484

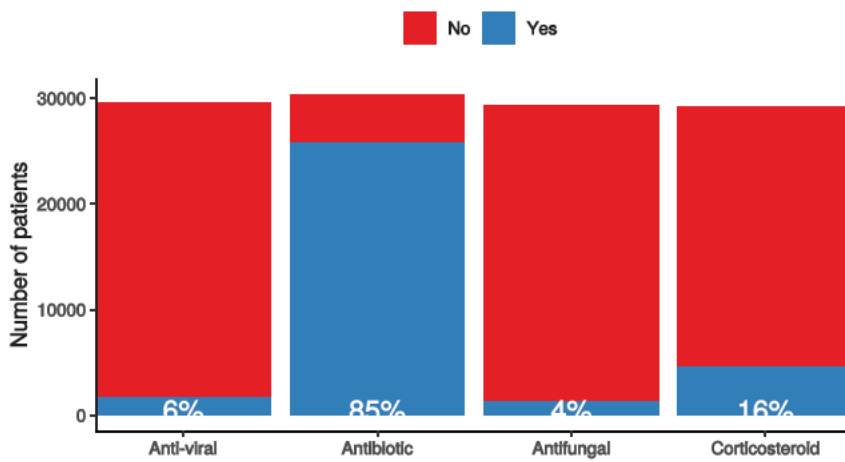


In-hospital medical treatment

Figure 8

In-hospital treatment

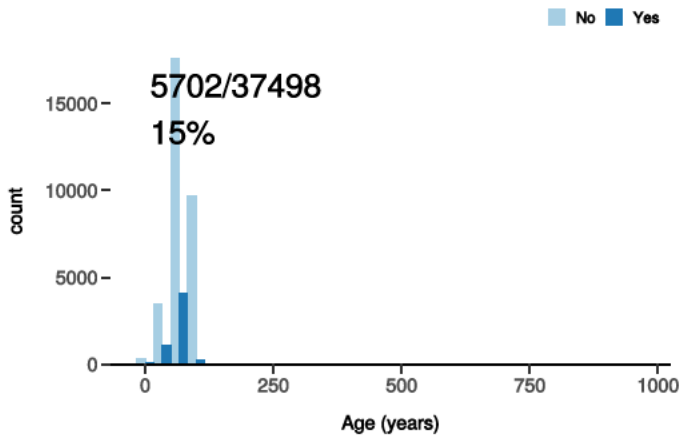
Anti-virals, antibiotics, corticosteroids, and anti-fungals for patients who have cc



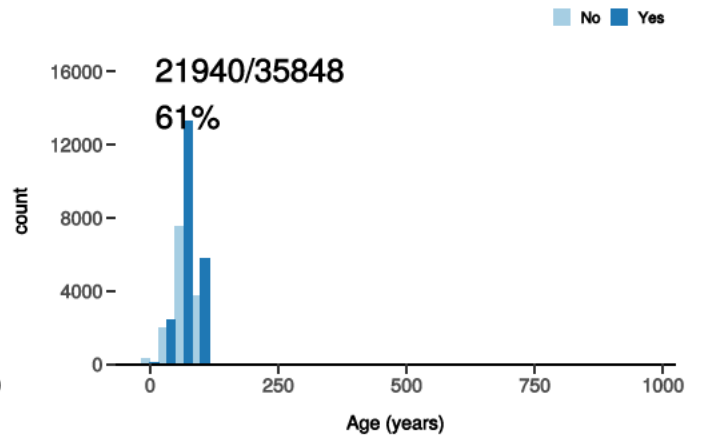
Treatment

Figure 9

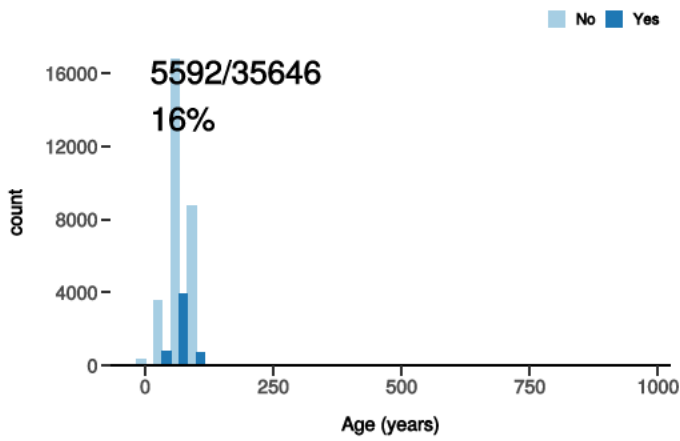
ICU/HDU admission
Figure 10A



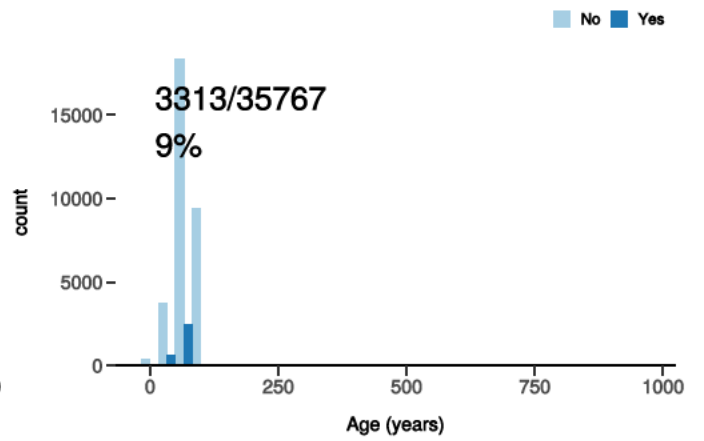
High flow oxygen
Figure 10B



Noninvasive ventilation
Figure 10C



Invasive ventilation
Figure 10D

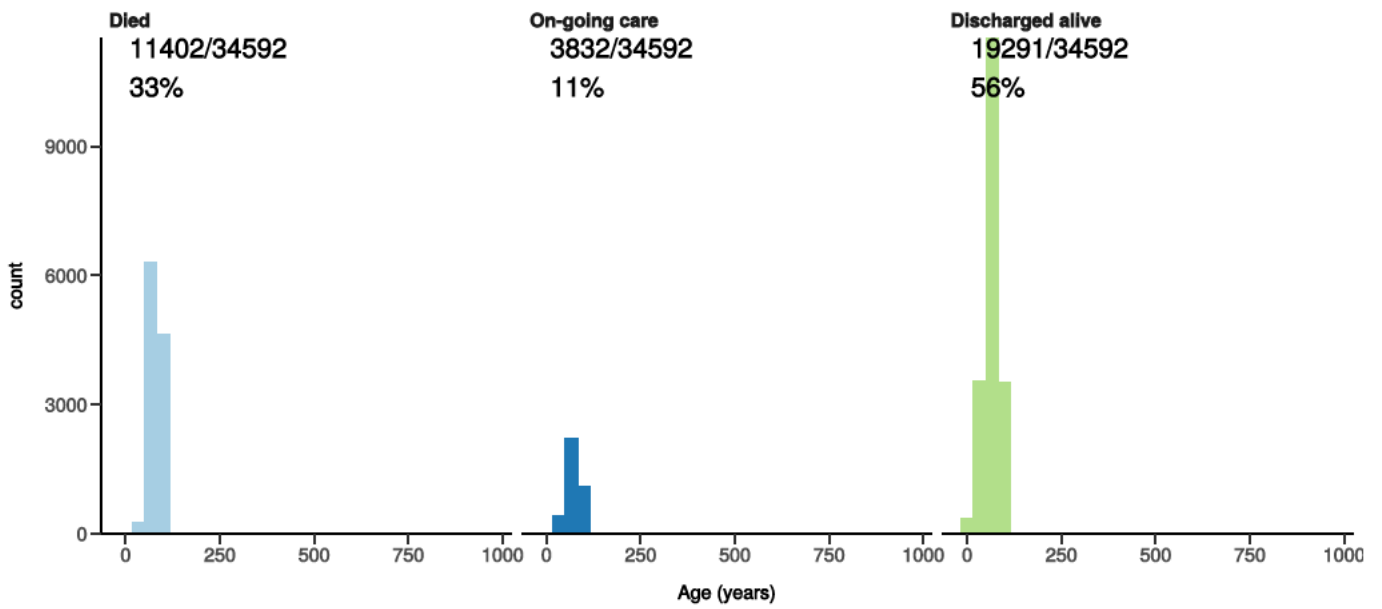


Status in patients admitted ≥ 14 days from today

Figure 10

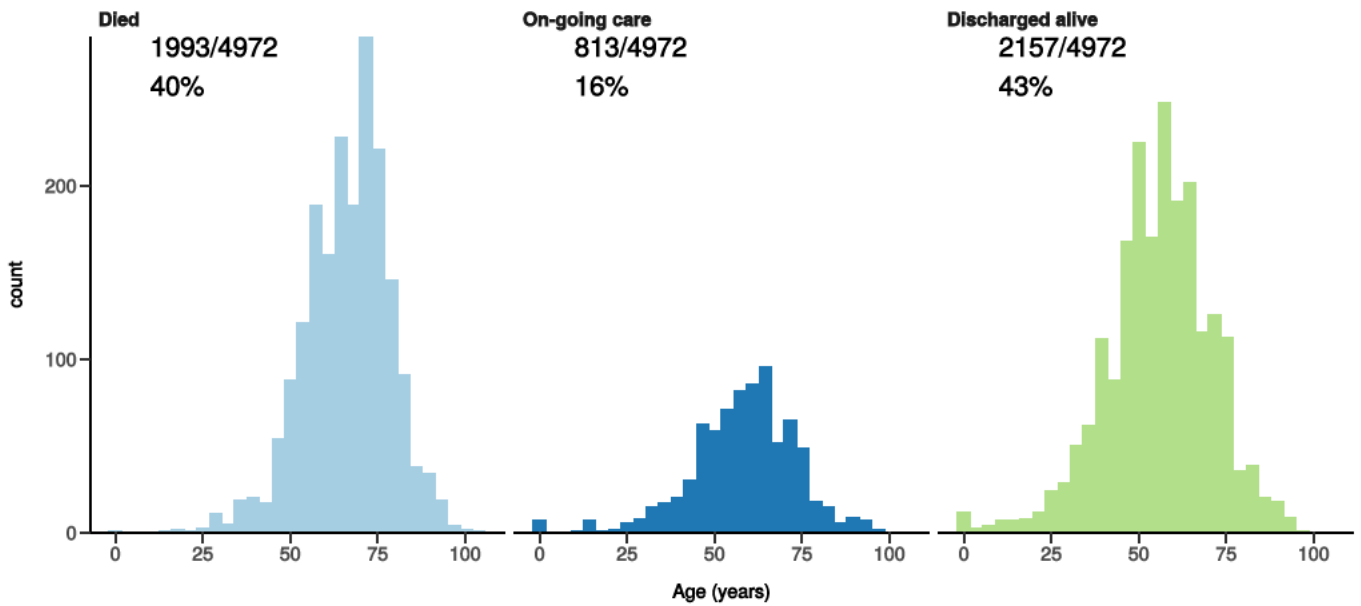
All: status in patients admitted ≥ 14 days ago

Figure 11A



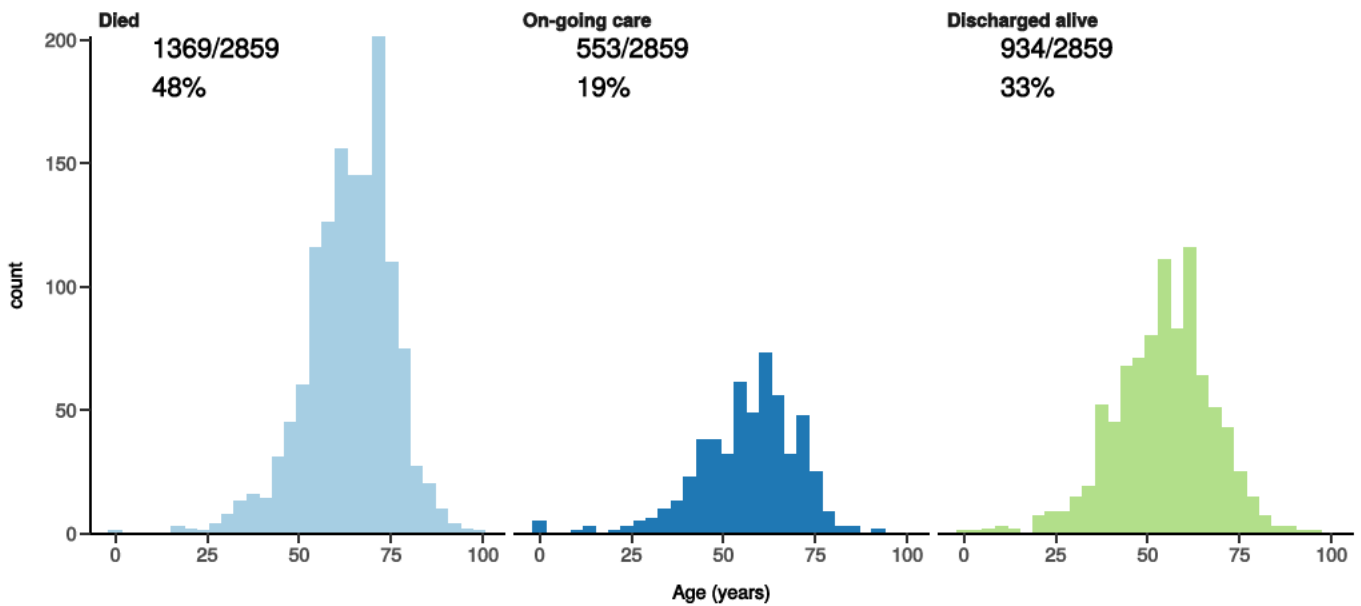
ICU/HDU admissions: status in patients admitted ≥ 14 days ago

Figure 11B



Invasive ventilation: status in patients admitted ≥ 14 days ago

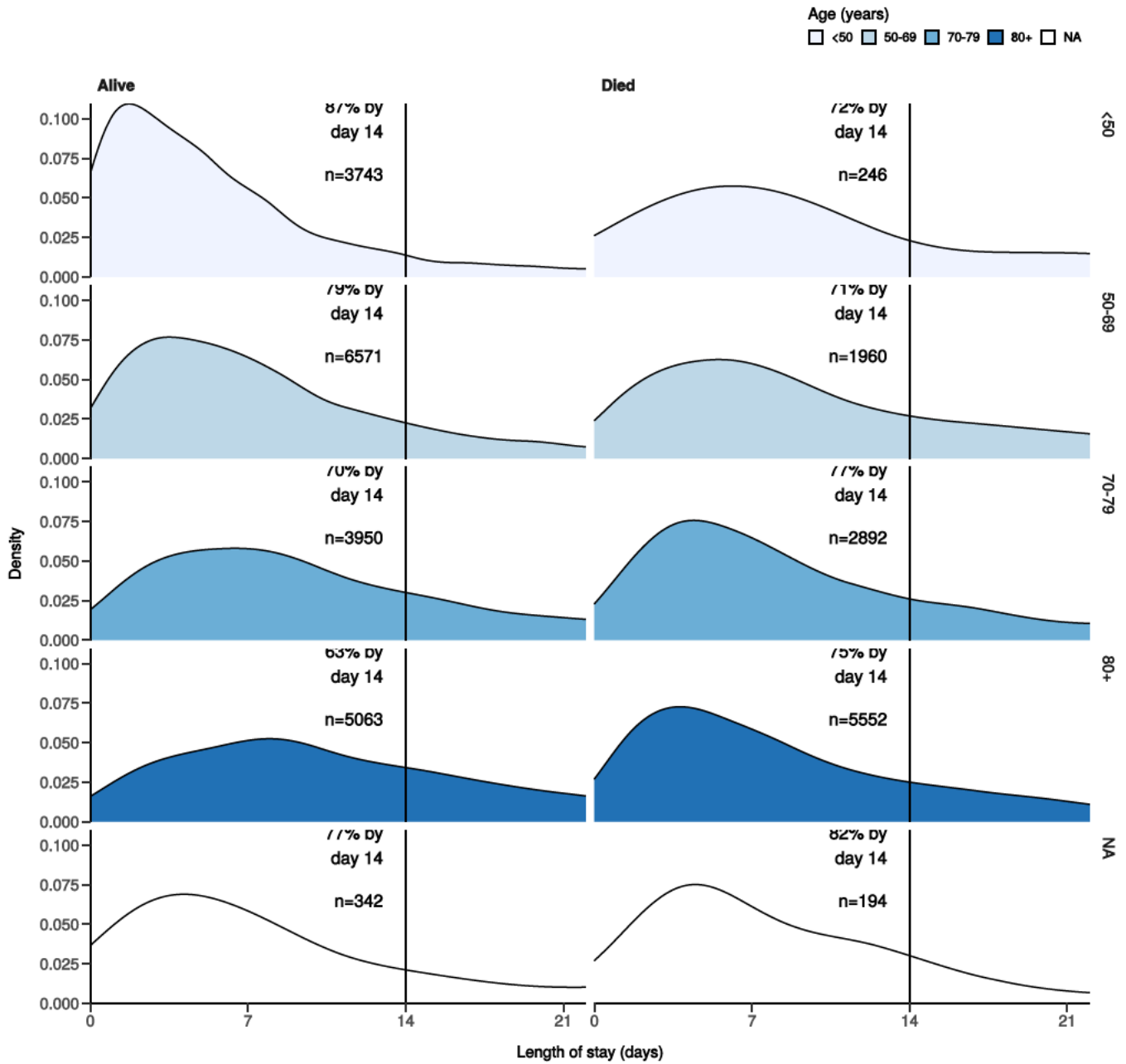
Figure 11c



Length of stay stratified by age

Figure 11

Length of stay stratified by age and mortality
Proportion who reach outcome by day 14 shown



Predictors of death: logistic regression multivariable model

Logistic regression model only includes patients admitted >14 days ago from today.

| Dependent: death | | No | Yes | OR (univariable) | OR (multivariable) |
|--------------------------|--------|--------------|-------------|------------------------------|------------------------------|
| Age on admission (years) | <50 | 4166 (94.1) | 263 (5.9) | • | • |
| | 50-69 | 7049 (77.5) | 2049 (22.5) | 4.60 (4.03-5.28, p<0.001) | 4.36 (3.75-5.10, p<0.001) |
| | 70-79 | 4267 (58.6) | 3018 (41.4) | 11.20 (9.83-12.82, p<0.001) | 9.32 (8.00-10.91, p<0.001) |
| | 80+ | 5475 (48.4) | 5827 (51.6) | 16.86 (14.83-19.24, p<0.001) | 13.84 (11.89-16.19, p<0.001) |
| Sex at Birth | Male | 11920 (63.0) | 7005 (37.0) | • | • |
| | Female | 9363 (68.5) | 4310 (31.5) | 0.78 (0.75-0.82, p<0.001) | 0.70 (0.66-0.74, p<0.001) |

| Dependent: death | | No | Yes | OR (univariable) | OR (multivariable) |
|-------------------------------|---------------|--------------|-------------|---------------------------|---------------------------|
| | Not specified | 0 (NaN) | 0 (NaN) | • | • |
| Chronic cardiac disease | NO | 14670 (71.2) | 5936 (28.8) | • | • |
| | YES | 5170 (53.6) | 4471 (46.4) | 2.14 (2.03-2.25, p<0.001) | 1.22 (1.15-1.30, p<0.001) |
| Chronic pulmonary disease | NO | 16899 (68.1) | 7898 (31.9) | • | • |
| | YES | 2906 (54.3) | 2442 (45.7) | 1.80 (1.69-1.91, p<0.001) | 1.29 (1.20-1.39, p<0.001) |
| Chronic neurological disorder | NO | 17573 (66.9) | 8685 (33.1) | • | • |
| | YES | 2041 (57.1) | 1533 (42.9) | 1.52 (1.42-1.63, p<0.001) | 1.22 (1.11-1.33, p<0.001) |
| Chronic hematologic disease | NO | 18839 (66.3) | 9595 (33.7) | • | • |
| | YES | 719 (55.9) | 567 (44.1) | 1.55 (1.38-1.73, p<0.001) | 1.24 (1.08-1.42, p=0.002) |
| Chronic kidney disease | NO | 17059 (68.6) | 7801 (31.4) | • | • |
| | YES | 2647 (51.6) | 2487 (48.4) | 2.05 (1.93-2.18, p<0.001) | 1.31 (1.22-1.41, p<0.001) |
| Dementia | NO | 17425 (69.2) | 7768 (30.8) | • | • |
| | YES | 2224 (47.0) | 2503 (53.0) | 2.52 (2.37-2.69, p<0.001) | 1.46 (1.35-1.57, p<0.001) |
| Obesity | NO | 15949 (65.8) | 8274 (34.2) | • | • |
| | YES | 2140 (69.5) | 937 (30.5) | 0.84 (0.78-0.92, p<0.001) | 1.35 (1.23-1.49, p<0.001) |
| Malignancy | NO | 17989 (67.2) | 8761 (32.8) | • | • |
| | YES | 1595 (53.0) | 1414 (47.0) | 1.82 (1.69-1.96, p<0.001) | 1.36 (1.24-1.49, p<0.001) |

Number in dataframe = 39116, Number in model = 25650, Missing = 13466, AIC = 28699.3, C-statistic = 0.728, H&L = Chi-sq(8) 73.96 (p<0.001)

Figure 12 - Adjusted odds ratio plot

Death

| | | |
|-------------------------------|---------------|------------------------------|
| Age on admission (years) | <50 | - |
| | 50-69 | 4.36 (3.75-5.10, p<0.001) |
| | 70-79 | 9.32 (8.00-10.91, p<0.001) |
| | 80+ | 13.84 (11.89-16.19, p<0.001) |
| Sex at Birth | Male | - |
| | Female | 0.70 (0.66-0.74, p<0.001) |
| | Not specified | - |
| Chronic cardiac disease | YES | 1.22 (1.15-1.30, p<0.001) |
| Chronic pulmonary disease | YES | 1.29 (1.20-1.39, p<0.001) |
| Chronic neurological disorder | YES | 1.22 (1.11-1.33, p<0.001) |
| Chronic hematologic disease | YES | 1.24 (1.08-1.42, p=0.002) |
| Chronic kidney disease | YES | 1.31 (1.22-1.41, p<0.001) |
| Dementia | YES | 1.46 (1.35-1.57, p<0.001) |
| Obesity | YES | 1.35 (1.23-1.49, p<0.001) |
| Malignancy | YES | 1.36 (1.24-1.49, p<0.001) |

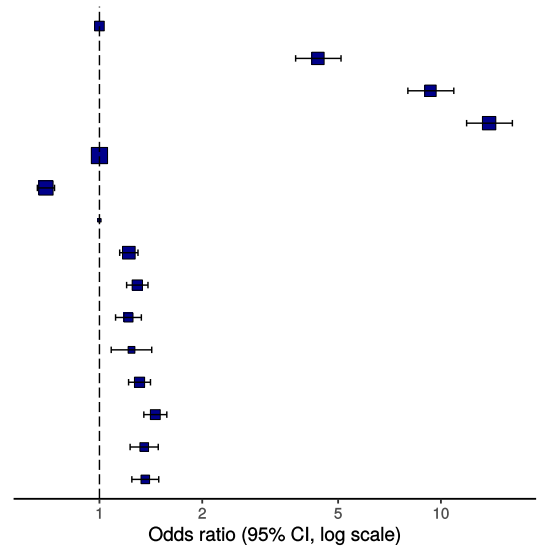
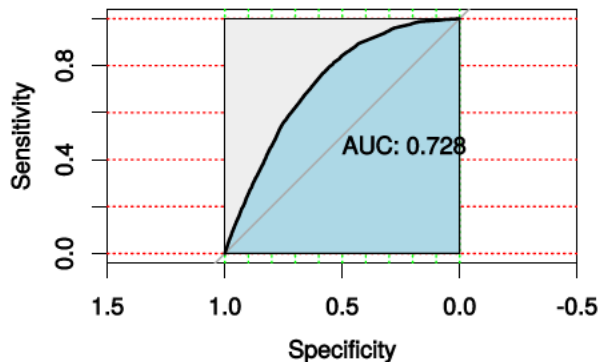


Figure 13 - ROC

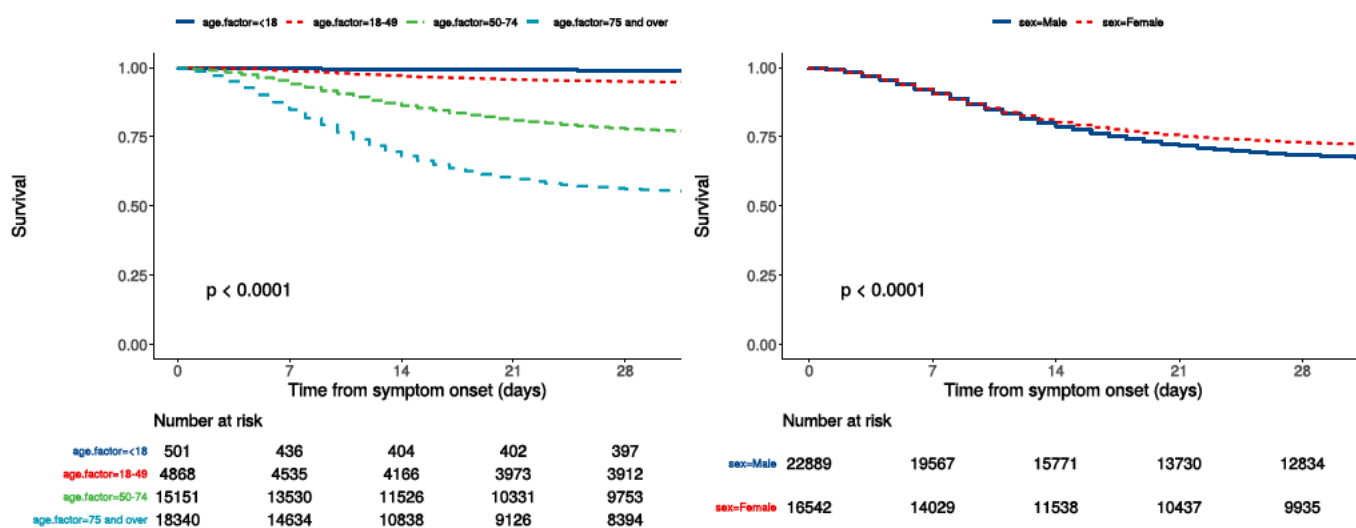


Survival models

Kaplan-Meier plots for survival from symptom onset stratified by age (left) and sex (right)

Figure 14

P-value is log-rank test.



Cox proportional hazards model

The methodology for this is now up and running, but models are still being explored. **What is presented here is not a final model, but to demonstrate methodology.** The results are correct, but important variables have not yet been included.

Time from symptom onset.

| Dependent: Surv(time, status) | | all | HR (univariable) | HR (multivariable) |
|-------------------------------|--------|--------------|------------------------------|-----------------------------|
| Age on admission (years) | <50 | 5369 (13.8) | • | • |
| | 50-69 | 11109 (28.6) | 4.07 (3.58-4.63, p<0.001) | 4.09 (3.47-4.81, p<0.001) |
| | 70-79 | 8772 (22.6) | 8.71 (7.68-9.89, p<0.001) | 8.19 (6.97-9.62, p<0.001) |
| | 80+ | 13613 (35.0) | 12.16 (10.75-13.77, p<0.001) | 11.11 (9.46-13.04, p<0.001) |
| Sex at Birth | Male | 22889 (58.0) | • | • |
| | Female | 16542 (42.0) | 0.84 (0.81-0.87, p<0.001) | 0.80 (0.76-0.84, p<0.001) |
| qSOFA score on admission | 0 | 12469 (40.5) | • | • |
| | 1 | 14378 (46.7) | 1.54 (1.47-1.61, p<0.001) | 1.67 (1.58-1.76, p<0.001) |

| Dependent: Surv(time, status) | | all | HR (univariable) | HR (multivariable) |
|--------------------------------|-------------|--------------|---------------------------|---------------------------|
| | 2 | 3559 (11.5) | 3.01 (2.84-3.20, p<0.001) | 2.80 (2.62-3.00, p<0.001) |
| | 3 | 408 (1.3) | 4.76 (4.19-5.41, p<0.001) | 4.13 (3.57-4.77, p<0.001) |
| Symptomatic at presentation | No symptoms | 1027 (2.7) | • | • |
| | Symptoms | 36537 (97.3) | 1.10 (0.98-1.25, p=0.116) | • |
| Chronic cardiac disease | NO | 24259 (68.1) | • | • |
| | YES | 11351 (31.9) | 1.86 (1.79-1.93, p<0.001) | 1.16 (1.11-1.22, p<0.001) |
| Chronic kidney disease | NO | 29293 (83.0) | • | • |
| | YES | 5995 (17.0) | 1.79 (1.71-1.87, p<0.001) | 1.25 (1.18-1.33, p<0.001) |
| Moderate/severe liver disease | NO | 34278 (98.1) | • | • |
| | YES | 648 (1.9) | 1.36 (1.20-1.55, p<0.001) | 1.57 (1.34-1.85, p<0.001) |
| Chronic neurological disorder | NO | 30780 (87.8) | • | • |
| | YES | 4278 (12.2) | 1.43 (1.35-1.51, p<0.001) | • |
| Malignancy | NO | 31463 (90.0) | • | • |
| | YES | 3505 (10.0) | 1.60 (1.51-1.69, p<0.001) | 1.27 (1.19-1.36, p<0.001) |
| Chronic hematologic disease | NO | 33438 (95.8) | • | • |
| | YES | 1474 (4.2) | 1.43 (1.32-1.56, p<0.001) | • |
| Obesity | NO | 28495 (88.8) | • | • |
| | YES | 3595 (11.2) | 0.86 (0.80-0.92, p<0.001) | 1.16 (1.07-1.25, p<0.001) |
| Diabetes without complications | NO | 28282 (81.3) | • | • |
| | YES | 6484 (18.7) | 1.25 (1.19-1.31, p<0.001) | • |
| Rheumatologic disorder | NO | 31150 (89.4) | • | • |
| | YES | 3676 (10.6) | 1.22 (1.15-1.29, p<0.001) | • |
| Dementia | NO | 29617 (84.2) | • | • |
| | YES | 5561 (15.8) | 2.18 (2.08-2.28, p<0.001) | 1.22 (1.15-1.30, p<0.001) |
| Malnutrition | NO | 32329 (97.4) | • | • |
| | YES | 848 (2.6) | 1.49 (1.34-1.67, p<0.001) | • |
| smoking_mhyn_2levels | NO | 23448 (92.8) | • | • |
| | YES | 1812 (7.2) | 0.87 (0.79-0.96, p=0.006) | • |

Number in dataframe = 39723, Number in model = 25009, Missing = 14714, Number of events = 7308, Concordance = 0.725 (SE = 0.003), R-squared = 0.166(Max possible = 0.997), Likelihood ratio test = 4542.752 (df = 13, p = 0.000)

Figure 15a - Multivariable Cox proportional hazards model

Survival: HR (95% CI, p-value)

| | | |
|-------------------------------|--------|-----------------------------|
| Age on admission (years) | <50 | - |
| | 50-69 | 4.09 (3.47-4.81, p<0.001) |
| | 70-79 | 8.19 (6.97-9.62, p<0.001) |
| | 80+ | 11.11 (9.46-13.04, p<0.001) |
| Sex at Birth | Female | 0.80 (0.76-0.84, p<0.001) |
| qSOFA score on admission | 0 | - |
| | 1 | 1.67 (1.58-1.76, p<0.001) |
| | 2 | 2.80 (2.62-3.00, p<0.001) |
| | 3 | 4.13 (3.57-4.77, p<0.001) |
| Chronic cardiac disease | YES | 1.16 (1.11-1.22, p<0.001) |
| Chronic kidney disease | YES | 1.25 (1.18-1.33, p<0.001) |
| Moderate/severe liver disease | YES | 1.57 (1.34-1.85, p<0.001) |
| Malignancy | YES | 1.27 (1.19-1.36, p<0.001) |
| Obesity | YES | 1.16 (1.07-1.25, p<0.001) |
| Dementia | YES | 1.22 (1.15-1.30, p<0.001) |

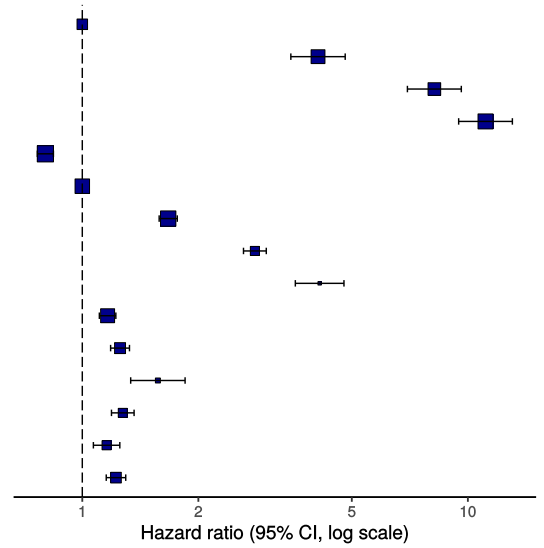
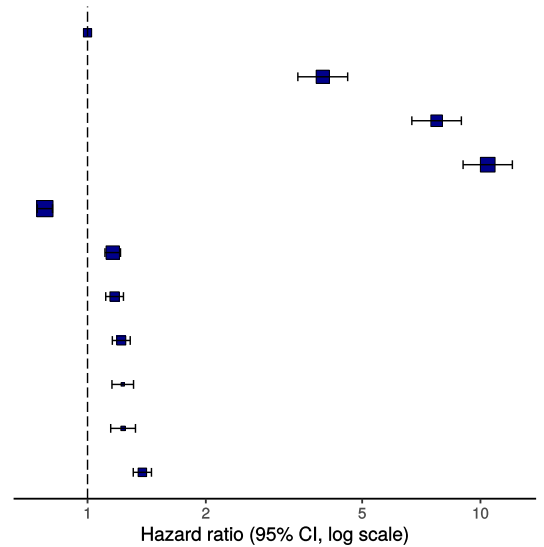


Figure 15b - Multivariable Cox proportional hazards model (age, sex, comorbidities only)

Survival: HR (95% CI, p-value)

| | | |
|---------------------------|--------|-----------------------------|
| Age on admission (years) | <50 | - |
| | 50-69 | 3.97 (3.43-4.59, p<0.001) |
| | 70-79 | 7.73 (6.69-8.94, p<0.001) |
| | 80+ | 10.44 (9.03-12.06, p<0.001) |
| Sex at Birth | Female | 0.78 (0.75-0.81, p<0.001) |
| Chronic cardiac disease | YES | 1.16 (1.11-1.21, p<0.001) |
| Chronic pulmonary disease | YES | 1.17 (1.11-1.23, p<0.001) |
| Chronic kidney disease | YES | 1.22 (1.16-1.28, p<0.001) |
| Malignancy | YES | 1.23 (1.15-1.31, p<0.001) |
| Obesity | YES | 1.23 (1.15-1.32, p<0.001) |
| Dementia | YES | 1.38 (1.31-1.45, p<0.001) |



ROC = 0.7247597

Figure 16 - Predictions calibration plot

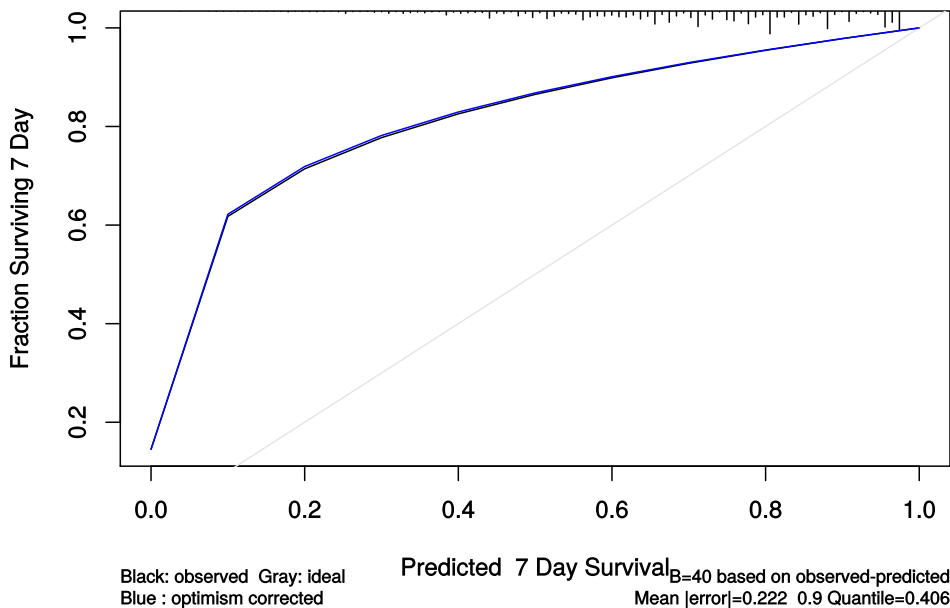


Figure 17 - Prognostic model predictions

Again, for demonstration of methods.

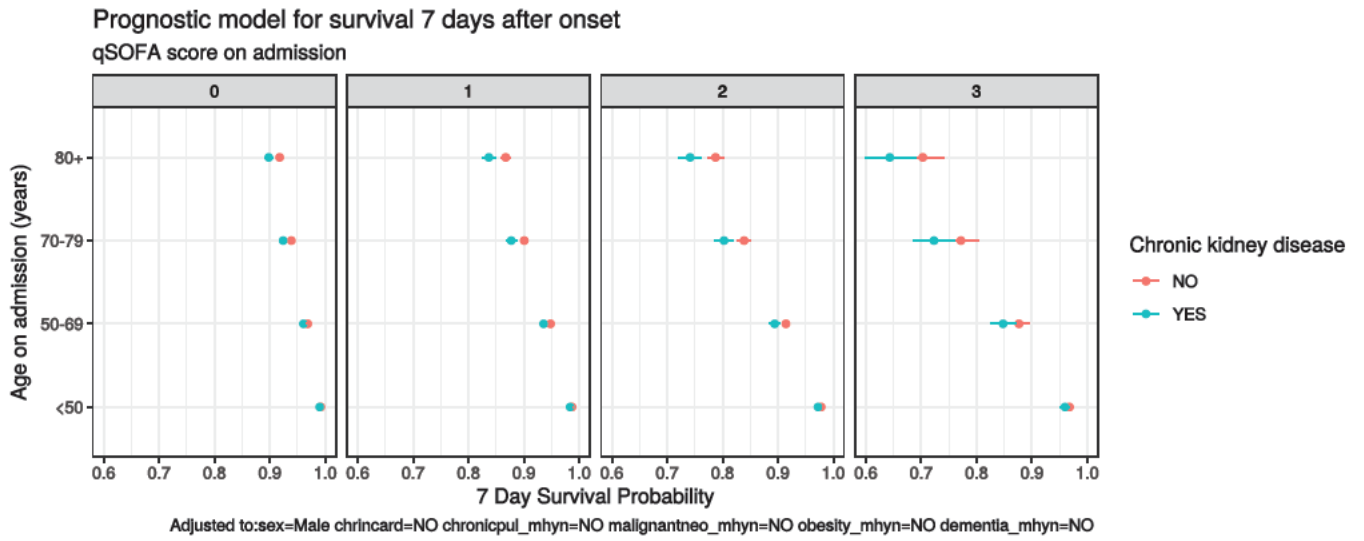


Figure 18 - Death by severity (NEWS) on admission

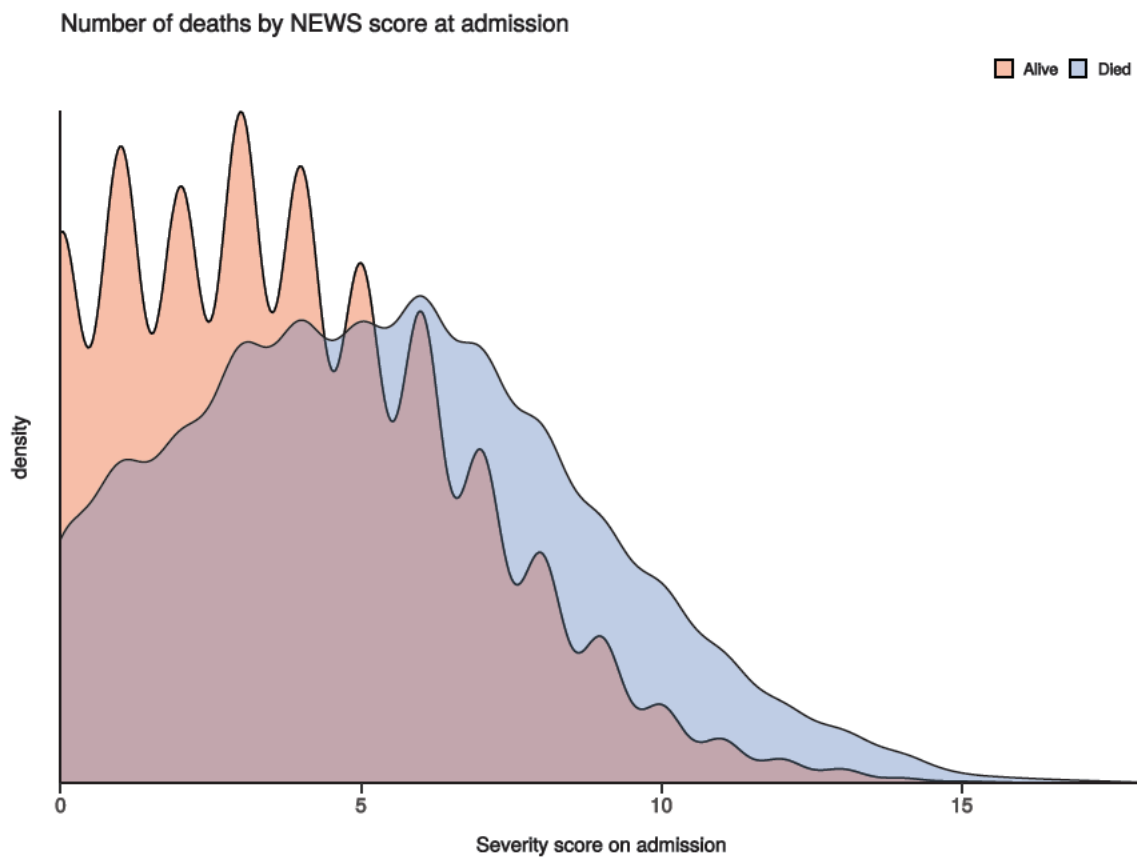


Figure 19 - Death by severity (NEWS) on admission stratified by age

Number of deaths by NEWS score at admission
Stratified by age

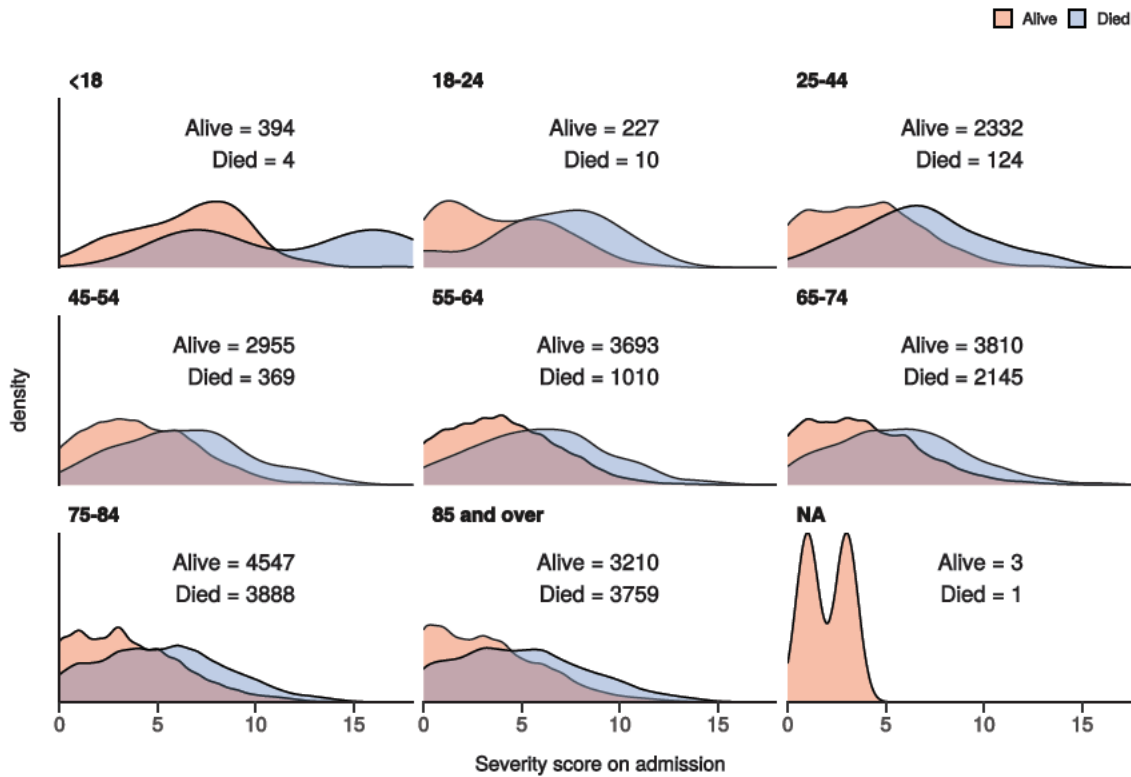
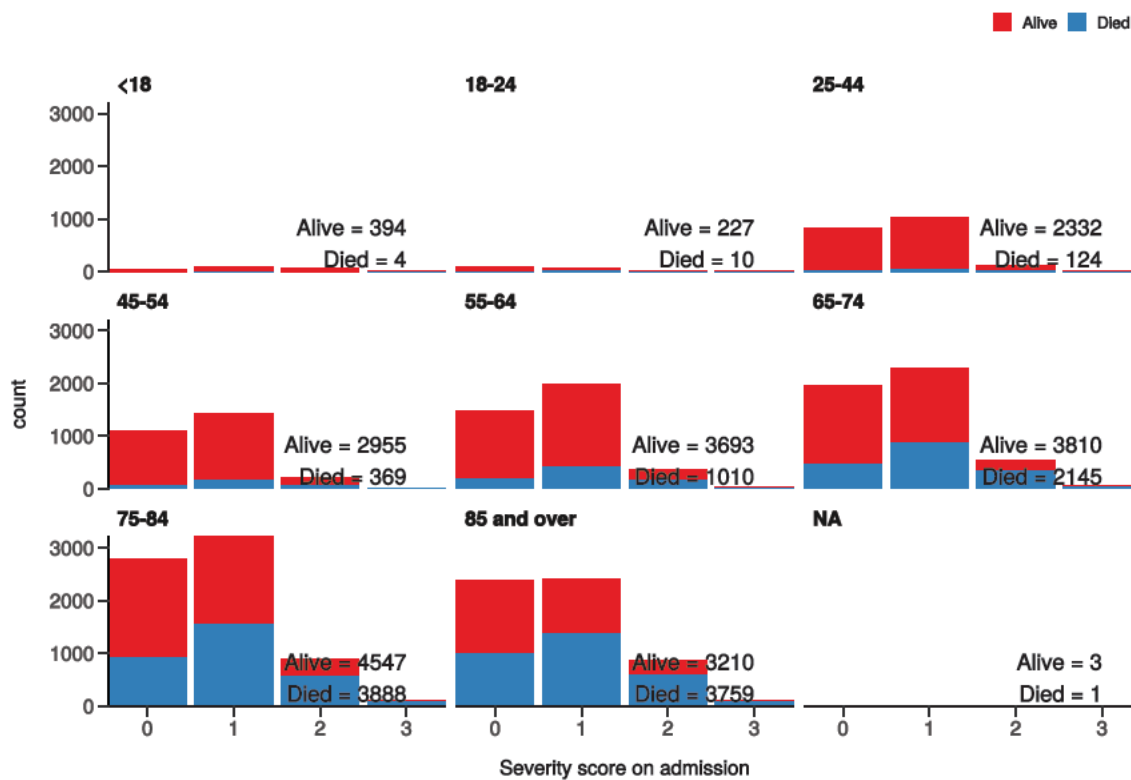


Figure 20 - Death by severity (qSOFA) on admission stratified by age

Number of deaths by qSOFA score at admission
Stratified by age



Healthcare workers

| Healthcare worker | NO | YES | p |
|-------------------------|--------------|------------|-------|
| Total N (%) | 34687 (94.9) | 1881 (5.1) | |
| NEWS score on admission | Median (IQR) | 4.0 (4.0) | 0.395 |

| Healthcare worker | | NO | YES | p |
|-------------------|-----|--------------|-------------|--------|
| Death | No | 17553 (62.9) | 1432 (93.3) | <0.001 |
| | Yes | 10373 (37.1) | 103 (6.7) | |

Admission (detail)

Table 1

| label | levels | all |
|----------------------------------|----------------------------------|---------------|
| Total N (%) | | 48101 (100.0) |
| Age on admission (years) | Mean (SD) | 69.6 (20.1) |
| Sex at Birth | Male | 24018 (49.9) |
| | Female | 17468 (36.3) |
| | Not specified | 77 (0.2) |
| | (Missing) | 6538 (13.6) |
| | | |
| Healthcare worker | YES | 1881 (3.9) |
| | NO | 34687 (72.1) |
| | N/A | 4123 (8.6) |
| | (Missing) | 7410 (15.4) |
| | | |
| Microbiology lab worker | YES | 81 (0.2) |
| | NO | 22720 (47.2) |
| | N/A | 2647 (5.5) |
| | (Missing) | 22653 (47.1) |
| | | |
| Onset to admission (days) | Mean (SD) | 12.8 (1941.7) |
| Transfer from other facility | Yes-facility is a study site | 770 (1.6) |
| | Yes-facility is not a study site | 2108 (4.4) |
| | No | 34396 (71.5) |
| | N/A | 1495 (3.1) |
| | (Missing) | 9332 (19.4) |
| | | |
| Travel in 14 d prior to symptoms | Yes | 763 (1.6) |
| | No | 19692 (40.9) |
| | N/A | 3802 (7.9) |
| | (Missing) | 23844 (49.6) |
| | | |
| Country | Afghanistan | 0 (0.0) |
| | Albania | 0 (0.0) |
| | Algeria | 0 (0.0) |
| | Andorra | 1 (0.0) |
| | Angola | 0 (0.0) |
| | Antigua and Barbuda | 4 (0.0) |
| | | |

| label | levels | all |
|--------------|--------------------------|------------|
| | Argentina | 1 (0.0) |
| | Armenia | 0 (0.0) |
| | Aruba | 0 (0.0) |
| | Australia | 3 (0.0) |
| | Austria | 22 (0.0) |
| | Azerbaijan | 2 (0.0) |
| | The | 0 (0.0) |
| | Bahrain | 0 (0.0) |
| | Bangladesh | 1 (0.0) |
| | Barbados | 17 (0.0) |
| | Belarus | 0 (0.0) |
| | Belgium | 3 (0.0) |
| | Belize | 0 (0.0) |
| | Benin | 0 (0.0) |
| | Bhutan | 0 (0.0) |
| | Bolivia | 0 (0.0) |
| | Bosnia and Herzegovina | 0 (0.0) |
| | Botswana | 0 (0.0) |
| | Brazil | 3 (0.0) |
| | Brunei | 0 (0.0) |
| | Bulgaria | 3 (0.0) |
| | Burkina Faso | 0 (0.0) |
| | Burma | 0 (0.0) |
| | Burundi | 0 (0.0) |
| | Cambodia | 1 (0.0) |
| | Cameroon | 1 (0.0) |
| | Canada | 2 (0.0) |
| | Cabo Verde | 1 (0.0) |
| | Central African Republic | 0 (0.0) |
| | Chad | 0 (0.0) |
| | Chile | 1 (0.0) |
| | China | 2 (0.0) |
| | Colombia | 0 (0.0) |
| | Comoros | 0 (0.0) |
| | Republic of the | 0 (0.0) |
| | Costa Rica | 0 (0.0) |

| label | levels | all |
|--------------|--------------------|------------|
| | Cote d'Ivoire | 0 (0.0) |
| | Croatia | 0 (0.0) |
| | Cuba | 1 (0.0) |
| | Curacao | 0 (0.0) |
| | Cyprus | 25 (0.1) |
| | Czechia | 2 (0.0) |
| | Denmark | 1 (0.0) |
| | Djibouti | 0 (0.0) |
| | Dominica | 0 (0.0) |
| | Dominican Republic | 3 (0.0) |
| | Ecuador | 0 (0.0) |
| | Egypt | 8 (0.0) |
| | El Salvador | 0 (0.0) |
| | Equatorial Guinea | 0 (0.0) |
| | Eritrea | 0 (0.0) |
| | Estonia | 0 (0.0) |
| | Ethiopia | 0 (0.0) |
| | Fiji | 0 (0.0) |
| | Finland | 0 (0.0) |
| | France | 30 (0.1) |
| | Gabon | 0 (0.0) |
| | Georgia | 0 (0.0) |
| | Germany | 8 (0.0) |
| | Ghana | 1 (0.0) |
| | Greece | 1 (0.0) |
| | Grenada | 0 (0.0) |
| | Guatemala | 0 (0.0) |
| | Guinea | 0 (0.0) |
| | Guinea-Bissau | 0 (0.0) |
| | Guyana | 0 (0.0) |
| | Haiti | 0 (0.0) |
| | Holy See | 0 (0.0) |
| | Honduras | 0 (0.0) |
| | Hong Kong | 0 (0.0) |
| | Hungary | 2 (0.0) |
| | Iceland | 1 (0.0) |

| label | levels | all |
|--------------|------------------|------------|
| | India | 9 (0.0) |
| | Indonesia | 0 (0.0) |
| | Iran | 6 (0.0) |
| | Iraq | 0 (0.0) |
| | Ireland | 7 (0.0) |
| | Israel | 0 (0.0) |
| | Italy | 87 (0.2) |
| | Jamaica | 3 (0.0) |
| | Japan | 6 (0.0) |
| | Jordan | 0 (0.0) |
| | Kazakhstan | 0 (0.0) |
| | Kenya | 1 (0.0) |
| | Kiribati | 0 (0.0) |
| | South | 0 (0.0) |
| | Kosovo | 0 (0.0) |
| | Kuwait | 1 (0.0) |
| | Kyrgyzstan | 0 (0.0) |
| | Laos | 0 (0.0) |
| | Latvia | 0 (0.0) |
| | Lebanon | 0 (0.0) |
| | Lesotho | 0 (0.0) |
| | Liberia | 0 (0.0) |
| | Libya | 0 (0.0) |
| | Liechtenstein | 0 (0.0) |
| | Lithuania | 0 (0.0) |
| | Luxembourg | 0 (0.0) |
| | Macau | 0 (0.0) |
| | Macedonia | 0 (0.0) |
| | Madagascar | 1 (0.0) |
| | Malawi | 0 (0.0) |
| | Malaysia | 4 (0.0) |
| | Maldives | 1 (0.0) |
| | Mali | 0 (0.0) |
| | Malta | 0 (0.0) |
| | Marshall Islands | 0 (0.0) |
| | Mauritania | 0 (0.0) |

| label | levels | all |
|--------------|-------------------------|------------|
| | Mauritius | 1 (0.0) |
| | Mexico | 4 (0.0) |
| | Micronesia | 0 (0.0) |
| | Moldova | 0 (0.0) |
| | Monaco | 0 (0.0) |
| | Mongolia | 0 (0.0) |
| | Montenegro | 0 (0.0) |
| | Morocco | 4 (0.0) |
| | Mozambique | 0 (0.0) |
| | Namibia | 0 (0.0) |
| | Nauru | 0 (0.0) |
| | Nepal | 3 (0.0) |
| | Netherlands | 9 (0.0) |
| | New Zealand | 3 (0.0) |
| | Nicaragua | 0 (0.0) |
| | Niger | 0 (0.0) |
| | Nigeria | 2 (0.0) |
| | North Korea | 0 (0.0) |
| | Norway | 2 (0.0) |
| | Oman | 0 (0.0) |
| | Pakistan | 9 (0.0) |
| | Palau | 0 (0.0) |
| | Palestinian Territories | 0 (0.0) |
| | Panama | 1 (0.0) |
| | Papua New Guinea | 0 (0.0) |
| | Paraguay | 0 (0.0) |
| | Peru | 0 (0.0) |
| | Philippines | 5 (0.0) |
| | Poland | 3 (0.0) |
| | Portugal | 20 (0.0) |
| | Qatar | 1 (0.0) |
| | Romania | 6 (0.0) |
| | Russia | 0 (0.0) |
| | Rwanda | 0 (0.0) |
| | Saint Kitts and Nevis | 0 (0.0) |
| | Saint Lucia | 0 (0.0) |

| label | levels | all |
|--------------|----------------------------------|------------|
| | Saint Vincent and the Grenadines | 0 (0.0) |
| | Samoa | 0 (0.0) |
| | San Marino | 0 (0.0) |
| | Sao Tome and Principe | 0 (0.0) |
| | Saudi Arabia | 2 (0.0) |
| | Senegal | 0 (0.0) |
| | Serbia | 0 (0.0) |
| | Seychelles | 0 (0.0) |
| | Sierra Leone | 0 (0.0) |
| | Singapore | 4 (0.0) |
| | Sint Maarten | 0 (0.0) |
| | Slovakia | 1 (0.0) |
| | Slovenia | 0 (0.0) |
| | Solomon Islands | 0 (0.0) |
| | Somalia | 2 (0.0) |
| | South Africa | 9 (0.0) |
| | South Korea | 1 (0.0) |
| | South Sudan | 0 (0.0) |
| | Spain | 187 (0.4) |
| | Sri Lanka | 0 (0.0) |
| | Sudan | 0 (0.0) |
| | Suriname | 0 (0.0) |
| | Swaziland | 1 (0.0) |
| | Sweden | 0 (0.0) |
| | Switzerland | 8 (0.0) |
| | Syria | 0 (0.0) |
| | Taiwan | 0 (0.0) |
| | Tajikistan | 0 (0.0) |
| | Tanzania | 0 (0.0) |
| | Thailand | 8 (0.0) |
| | Timor-Leste | 0 (0.0) |
| | Togo | 0 (0.0) |
| | Tonga | 0 (0.0) |
| | Trinidad and Tobago | 0 (0.0) |
| | Tunisia | 0 (0.0) |
| | Turkey | 7 (0.0) |

| label | levels | all |
|--------------|----------------------|--------------|
| | Turkmenistan | 0 (0.0) |
| | Tuvalu | 0 (0.0) |
| | Uganda | 0 (0.0) |
| | Ukraine | 0 (0.0) |
| | United Arab Emirates | 9 (0.0) |
| | United Kingdom | 110 (0.2) |
| | Uruguay | 0 (0.0) |
| | Uzbekistan | 0 (0.0) |
| | Vanuatu | 0 (0.0) |
| | Venezuela | 0 (0.0) |
| | Vietnam | 0 (0.0) |
| | Yemen | 1 (0.0) |
| | Zambia | 0 (0.0) |
| | Zimbabwe | 1 (0.0) |
| | (Missing) | 47400 (98.5) |
| Country 2 | Afghanistan | 0 (0.0) |
| | Albania | 0 (0.0) |
| | Algeria | 1 (0.0) |
| | Andorra | 0 (0.0) |
| | Angola | 0 (0.0) |
| | Antigua and Barbuda | 1 (0.0) |
| | Argentina | 0 (0.0) |
| | Armenia | 0 (0.0) |
| | Aruba | 1 (0.0) |
| | Australia | 2 (0.0) |
| | Austria | 4 (0.0) |
| | Azerbaijan | 0 (0.0) |
| | The | 0 (0.0) |
| | Bahrain | 0 (0.0) |
| | Bangladesh | 0 (0.0) |
| | Barbados | 2 (0.0) |
| | Belarus | 0 (0.0) |
| | Belgium | 0 (0.0) |
| | Belize | 0 (0.0) |
| | Benin | 0 (0.0) |
| | Bhutan | 0 (0.0) |

| label | levels | all |
|--------------|--------------------------|------------|
| | Bolivia | 0 (0.0) |
| | Bosnia and Herzegovina | 0 (0.0) |
| | Botswana | 0 (0.0) |
| | Brazil | 0 (0.0) |
| | Brunei | 0 (0.0) |
| | Bulgaria | 2 (0.0) |
| | Burkina Faso | 0 (0.0) |
| | Burma | 0 (0.0) |
| | Burundi | 0 (0.0) |
| | Cambodia | 0 (0.0) |
| | Cameroon | 0 (0.0) |
| | Canada | 1 (0.0) |
| | Cabo Verde | 0 (0.0) |
| | Central African Republic | 0 (0.0) |
| | Chad | 0 (0.0) |
| | Chile | 0 (0.0) |
| | China | 0 (0.0) |
| | Colombia | 0 (0.0) |
| | Comoros | 0 (0.0) |
| | Republic of the | 0 (0.0) |
| | Costa Rica | 0 (0.0) |
| | Cote d'Ivoire | 0 (0.0) |
| | Croatia | 0 (0.0) |
| | Cuba | 0 (0.0) |
| | Curacao | 0 (0.0) |
| | Cyprus | 4 (0.0) |
| | Czechia | 1 (0.0) |
| | Denmark | 0 (0.0) |
| | Djibouti | 0 (0.0) |
| | Dominica | 0 (0.0) |
| | Dominican Republic | 0 (0.0) |
| | Ecuador | 0 (0.0) |
| | Egypt | 2 (0.0) |
| | El Salvador | 0 (0.0) |
| | Equatorial Guinea | 0 (0.0) |
| | Eritrea | 0 (0.0) |

| label | levels | all |
|--------------|---------------|------------|
| | Estonia | 0 (0.0) |
| | Ethiopia | 0 (0.0) |
| | Fiji | 0 (0.0) |
| | Finland | 0 (0.0) |
| | France | 8 (0.0) |
| | Gabon | 0 (0.0) |
| | Georgia | 0 (0.0) |
| | Germany | 3 (0.0) |
| | Ghana | 0 (0.0) |
| | Greece | 0 (0.0) |
| | Grenada | 0 (0.0) |
| | Guatemala | 0 (0.0) |
| | Guinea | 0 (0.0) |
| | Guinea-Bissau | 0 (0.0) |
| | Guyana | 0 (0.0) |
| | Haiti | 0 (0.0) |
| | Holy See | 0 (0.0) |
| | Honduras | 0 (0.0) |
| | Hong Kong | 0 (0.0) |
| | Hungary | 0 (0.0) |
| | Iceland | 0 (0.0) |
| | India | 3 (0.0) |
| | Indonesia | 1 (0.0) |
| | Iran | 0 (0.0) |
| | Iraq | 0 (0.0) |
| | Ireland | 1 (0.0) |
| | Israel | 1 (0.0) |
| | Italy | 16 (0.0) |
| | Jamaica | 1 (0.0) |
| | Japan | 0 (0.0) |
| | Jordan | 0 (0.0) |
| | Kazakhstan | 0 (0.0) |
| | Kenya | 0 (0.0) |
| | Kiribati | 0 (0.0) |
| | South | 0 (0.0) |
| | Kosovo | 0 (0.0) |

| label | levels | all |
|--------------|------------------|------------|
| | Kuwait | 0 (0.0) |
| | Kyrgyzstan | 0 (0.0) |
| | Laos | 0 (0.0) |
| | Latvia | 0 (0.0) |
| | Lebanon | 0 (0.0) |
| | Lesotho | 0 (0.0) |
| | Liberia | 0 (0.0) |
| | Libya | 0 (0.0) |
| | Liechtenstein | 0 (0.0) |
| | Lithuania | 0 (0.0) |
| | Luxembourg | 0 (0.0) |
| | Macau | 0 (0.0) |
| | Macedonia | 0 (0.0) |
| | Madagascar | 0 (0.0) |
| | Malawi | 0 (0.0) |
| | Malaysia | 0 (0.0) |
| | Maldives | 0 (0.0) |
| | Mali | 0 (0.0) |
| | Malta | 0 (0.0) |
| | Marshall Islands | 0 (0.0) |
| | Mauritania | 0 (0.0) |
| | Mauritius | 0 (0.0) |
| | Mexico | 0 (0.0) |
| | Micronesia | 0 (0.0) |
| | Moldova | 0 (0.0) |
| | Monaco | 0 (0.0) |
| | Mongolia | 0 (0.0) |
| | Montenegro | 0 (0.0) |
| | Morocco | 1 (0.0) |
| | Mozambique | 0 (0.0) |
| | Namibia | 0 (0.0) |
| | Nauru | 0 (0.0) |
| | Nepal | 0 (0.0) |
| | Netherlands | 2 (0.0) |
| | New Zealand | 0 (0.0) |
| | Nicaragua | 0 (0.0) |

| label | levels | all |
|--------------|----------------------------------|------------|
| | Niger | 0 (0.0) |
| | Nigeria | 0 (0.0) |
| | North Korea | 0 (0.0) |
| | Norway | 0 (0.0) |
| | Oman | 0 (0.0) |
| | Pakistan | 1 (0.0) |
| | Palau | 0 (0.0) |
| | Palestinian Territories | 0 (0.0) |
| | Panama | 0 (0.0) |
| | Papua New Guinea | 0 (0.0) |
| | Paraguay | 0 (0.0) |
| | Peru | 0 (0.0) |
| | Philippines | 0 (0.0) |
| | Poland | 0 (0.0) |
| | Portugal | 2 (0.0) |
| | Qatar | 1 (0.0) |
| | Romania | 0 (0.0) |
| | Russia | 0 (0.0) |
| | Rwanda | 0 (0.0) |
| | Saint Kitts and Nevis | 0 (0.0) |
| | Saint Lucia | 0 (0.0) |
| | Saint Vincent and the Grenadines | 0 (0.0) |
| | Samoa | 0 (0.0) |
| | San Marino | 0 (0.0) |
| | Sao Tome and Principe | 0 (0.0) |
| | Saudi Arabia | 0 (0.0) |
| | Senegal | 0 (0.0) |
| | Serbia | 0 (0.0) |
| | Seychelles | 0 (0.0) |
| | Sierra Leone | 0 (0.0) |
| | Singapore | 0 (0.0) |
| | Sint Maarten | 0 (0.0) |
| | Slovakia | 0 (0.0) |
| | Slovenia | 0 (0.0) |
| | Solomon Islands | 0 (0.0) |
| | Somalia | 0 (0.0) |

| label | levels | all |
|--------------|----------------------|--------------|
| | South Africa | 1 (0.0) |
| | South Korea | 0 (0.0) |
| | South Sudan | 0 (0.0) |
| | Spain | 19 (0.0) |
| | Sri Lanka | 0 (0.0) |
| | Sudan | 0 (0.0) |
| | Suriname | 0 (0.0) |
| | Swaziland | 0 (0.0) |
| | Sweden | 0 (0.0) |
| | Switzerland | 0 (0.0) |
| | Syria | 0 (0.0) |
| | Taiwan | 0 (0.0) |
| | Tajikistan | 0 (0.0) |
| | Tanzania | 0 (0.0) |
| | Thailand | 1 (0.0) |
| | Timor-Leste | 0 (0.0) |
| | Togo | 0 (0.0) |
| | Tonga | 0 (0.0) |
| | Trinidad and Tobago | 0 (0.0) |
| | Tunisia | 0 (0.0) |
| | Turkey | 4 (0.0) |
| | Turkmenistan | 0 (0.0) |
| | Tuvalu | 0 (0.0) |
| | Uganda | 0 (0.0) |
| | Ukraine | 0 (0.0) |
| | United Arab Emirates | 0 (0.0) |
| | United Kingdom | 0 (0.0) |
| | Uruguay | 0 (0.0) |
| | Uzbekistan | 0 (0.0) |
| | Vanuatu | 0 (0.0) |
| | Venezuela | 0 (0.0) |
| | Vietnam | 1 (0.0) |
| | Yemen | 0 (0.0) |
| | Zambia | 0 (0.0) |
| | Zimbabwe | 0 (0.0) |
| | (Missing) | 48013 (99.8) |

| label | levels | all |
|---|---|--------------|
| Animal, raw meat, insect bites 14 d prior | Yes | 104 (0.2) |
| | No | 9343 (19.4) |
| | Unknown | 13415 (27.9) |
| | N/A | 1612 (3.4) |
| | (Missing) | 23627 (49.1) |
| Animal / insect | 2 Budgerigars and 26 Cats at home | 1 (1.0) |
| | 2 cats | 1 (1.0) |
| | 2 dogs | 1 (1.0) |
| | Bee Sting | 1 (1.0) |
| | Bird (pet) | 1 (1.0) |
| | bird (pigeon) | 1 (1.0) |
| | Birds at home | 1 (1.0) |
| | Budgie | 1 (1.0) |
| | budgies | 1 (1.0) |
| | cat | 2 (2.0) |
| | Cat | 1 (1.0) |
| | CAT | 1 (1.0) |
| | Cat (pet) | 1 (1.0) |
| | Cat / Dog | 1 (1.0) |
| | Cat, Dog (pets) | 1 (1.0) |
| | cats | 2 (2.0) |
| | Cats | 1 (1.0) |
| | chicken & beef | 1 (1.0) |
| | Chickens | 2 (2.0) |
| | COWS | 1 (1.0) |
| | cows, rabbits, pigs goats | 1 (1.0) |
| | DAILY CONTACT WITH DOMESTIC PET CAT | 1 (1.0) |
| | dog | 5 (4.9) |
| | Dog | 12 (11.8) |
| | DOG | 3 (2.9) |
| | DOG FAMILY PET | 1 (1.0) |
| | Dog, domestic anima living in their home. | 1 (1.0) |
| | Dogs | 1 (1.0) |
| | dogs and cats | 1 (1.0) |
| | Dogs at home | 1 (1.0) |
| domestic | 1 (1.0) | |

| label | levels | all |
|-------|---|---------|
| | Domestic pet dog | 1 (1.0) |
| | DOMESTIC ANIMAL | 2 (2.0) |
| | Domestic animal and faeces/nest | 1 (1.0) |
| | domestic animal living in his home | 1 (1.0) |
| | domestic animals | 1 (1.0) |
| | Domestic animals living in his/her home | 1 (1.0) |
| | Domestic Animals living in his/her home | 1 (1.0) |
| | Domestic animals living in home | 1 (1.0) |
| | Domestic cats | 1 (1.0) |
| | domestic dog | 1 (1.0) |
| | domestic Dog | 1 (1.0) |
| | Domestic Per (dog) | 1 (1.0) |
| | Domestic pest (cats) | 1 (1.0) |
| | Domestic Pet | 5 (4.9) |
| | Domestic Pet (Dog) | 6 (5.9) |
| | Domestic pet cat | 1 (1.0) |
| | Domestic pet Dog | 1 (1.0) |
| | Domestic pet, dog | 1 (1.0) |
| | Domestic pets | 1 (1.0) |
| | Domestic Pets | 2 (2.0) |
| | Domestic pets (dog) | 1 (1.0) |
| | Domestic Pets Cat and Dog | 1 (1.0) |
| | FARM ANIMALS - LAMBS | 1 (1.0) |
| | Farm animals, cattle | 1 (1.0) |
| | Guinea Pig | 1 (1.0) |
| | HORSES | 1 (1.0) |
| | pet dog | 2 (2.0) |
| | Pet dog | 1 (1.0) |
| | Pet dog -ongoing daily contact | 1 (1.0) |
| | Pet dog ongoing daily contact | 1 (1.0) |
| | Prepared raw chicken | 1 (1.0) |
| | raw chicken | 1 (1.0) |
| | Raw Chicken | 1 (1.0) |
| | Rodent | 1 (1.0) |
| | Rodent - hamster, | 1 (1.0) |
| | she has a cat | 1 (1.0) |

| label | levels | all |
|-------|----------------|---------|
| | Sheep & Cattle | 1 (1.0) |
| | Two cats | 1 (1.0) |
| | unknown | 1 (1.0) |

Symptoms (detail)

Table 2

| Stratified: all | | all |
|-----------------|-----------|---------------|
| Total N (%) | | 48101 (100.0) |
| Fever | YES | 24134 (50.2) |
| | NO | 11460 (23.8) |
| | Unknown | 2050 (4.3) |
| | (Missing) | 10457 (21.7) |
| Cough | YES | 24639 (51.2) |
| | NO | 10744 (22.3) |
| | Unknown | 2265 (4.7) |
| | (Missing) | 10453 (21.7) |
| Cough (sputum) | YES | 7224 (15.0) |
| | NO | 22412 (46.6) |
| | Unknown | 7837 (16.3) |
| | (Missing) | 10628 (22.1) |
| Cough (blood) | YES | 873 (1.8) |
| | NO | 28098 (58.4) |
| | Unknown | 8471 (17.6) |
| | (Missing) | 10659 (22.2) |
| Sore throat | YES | 2366 (4.9) |
| | NO | 24755 (51.5) |
| | Unknown | 10326 (21.5) |
| | (Missing) | 10654 (22.1) |
| Runny nose | YES | 785 (1.6) |
| | NO | 25754 (53.5) |
| | Unknown | 10896 (22.7) |
| | (Missing) | 10666 (22.2) |
| Ear pain | YES | 145 (0.3) |
| | NO | 26367 (54.8) |
| | Unknown | 10920 (22.7) |
| | (Missing) | 10669 (22.2) |

| Stratified: all | | all |
|----------------------------|-----------|--------------|
| Wheeze | YES | 2777 (5.8) |
| | NO | 25949 (53.9) |
| | Unknown | 8720 (18.1) |
| | (Missing) | 10655 (22.2) |
| Chest pain | YES | 4270 (8.9) |
| | NO | 26024 (54.1) |
| | Unknown | 7160 (14.9) |
| | (Missing) | 10647 (22.1) |
| Muscle ache | YES | 5207 (10.8) |
| | NO | 22352 (46.5) |
| | Unknown | 9871 (20.5) |
| | (Missing) | 10671 (22.2) |
| Joint pain | YES | 1872 (3.9) |
| | NO | 24669 (51.3) |
| | Unknown | 10861 (22.6) |
| | (Missing) | 10699 (22.2) |
| Fatigue | YES | 13013 (27.1) |
| | NO | 16475 (34.3) |
| | Unknown | 7963 (16.6) |
| | (Missing) | 10650 (22.1) |
| Shortness of breath | YES | 23870 (49.6) |
| | NO | 10849 (22.6) |
| | Unknown | 2939 (6.1) |
| | (Missing) | 10443 (21.7) |
| Lower chest wall indrawing | YES | 382 (0.8) |
| | NO | 25356 (52.7) |
| | Unknown | 11671 (24.3) |
| | (Missing) | 10692 (22.2) |
| Headache | YES | 3087 (6.4) |
| | NO | 24401 (50.7) |
| | Unknown | 9951 (20.7) |
| | (Missing) | 10662 (22.2) |
| Confusion | YES | 9157 (19.0) |
| | NO | 22884 (47.6) |
| | Unknown | 5460 (11.4) |
| | (Missing) | 10600 (22.0) |

| Stratified: all | | all |
|------------------------|-----------|--------------|
| Seizures | YES | 507 (1.1) |
| | NO | 29721 (61.8) |
| | Unknown | 7203 (15.0) |
| | (Missing) | 10670 (22.2) |
| Abdominal pain | YES | 3203 (6.7) |
| | NO | 27002 (56.1) |
| | Unknown | 7268 (15.1) |
| | (Missing) | 10628 (22.1) |
| Nausea/vomiting | YES | 6162 (12.8) |
| | NO | 25224 (52.4) |
| | Unknown | 6107 (12.7) |
| | (Missing) | 10608 (22.1) |
| Diarrhoea | YES | 5946 (12.4) |
| | NO | 25309 (52.6) |
| | Unknown | 6227 (12.9) |
| | (Missing) | 10619 (22.1) |
| Conjunctivitis | YES | 108 (0.2) |
| | NO | 27923 (58.1) |
| | Unknown | 9408 (19.6) |
| | (Missing) | 10662 (22.2) |
| Skin rash | YES | 458 (1.0) |
| | NO | 28159 (58.5) |
| | Unknown | 8830 (18.4) |
| | (Missing) | 10654 (22.1) |
| Skin ulcers | YES | 746 (1.6) |
| | NO | 27899 (58.0) |
| | Unknown | 8790 (18.3) |
| | (Missing) | 10666 (22.2) |
| Lymphadenopathy | YES | 173 (0.4) |
| | NO | 27981 (58.2) |
| | Unknown | 9278 (19.3) |
| | (Missing) | 10669 (22.2) |
| Bleeding (Haemorrhage) | YES | 466 (1.0) |
| | NO | 29331 (61.0) |
| | Unknown | 7636 (15.9) |
| | (Missing) | 10668 (22.2) |

| Stratified: all | | all |
|----------------------|-----------|--------------|
| If Bleeding (others) | YES | 436 (0.9) |
| | NO | 18140 (37.7) |
| | Unknown | 5083 (10.6) |
| | (Missing) | 24442 (50.8) |

Comorbidity (detail)

Table 3

| Stratified: all | | all |
|-------------------------------|-----------|---------------|
| Total N (%) | | 48101 (100.0) |
| Chronic cardiac disease | YES | 11468 (23.8) |
| | NO | 24454 (50.8) |
| | Unknown | 1826 (3.8) |
| | (Missing) | 10353 (21.5) |
| Chronic pulmonary disease | YES | 6392 (13.3) |
| | NO | 29381 (61.1) |
| | Unknown | 1953 (4.1) |
| | (Missing) | 10375 (21.6) |
| Asthma | YES | 5003 (10.4) |
| | NO | 30597 (63.6) |
| | Unknown | 2079 (4.3) |
| | (Missing) | 10422 (21.7) |
| Chronic kidney disease | YES | 6066 (12.6) |
| | NO | 29531 (61.4) |
| | Unknown | 2108 (4.4) |
| | (Missing) | 10396 (21.6) |
| Moderate/severe liver disease | YES | 653 (1.4) |
| | NO | 34576 (71.9) |
| | Unknown | 2446 (5.1) |
| | (Missing) | 10426 (21.7) |
| Mild Liver disease | YES | 538 (1.1) |
| | NO | 34597 (71.9) |
| | Unknown | 2535 (5.3) |
| | (Missing) | 10431 (21.7) |
| Chronic neurological disorder | YES | 4330 (9.0) |
| | NO | 31028 (64.5) |
| | Unknown | 2316 (4.8) |

Stratified: all**all**

| | | |
|--------------------------------|-----------|--------------|
| | (Missing) | 10427 (21.7) |
| Malignancy | YES | 3555 (7.4) |
| | NO | 31715 (65.9) |
| | Unknown | 2411 (5.0) |
| | (Missing) | 10420 (21.7) |
| Chronic hematologic disease | YES | 1490 (3.1) |
| | NO | 33723 (70.1) |
| | Unknown | 2446 (5.1) |
| | (Missing) | 10442 (21.7) |
| AIDS/HIV | YES | 147 (0.3) |
| | NO | 34793 (72.3) |
| | Unknown | 2736 (5.7) |
| | (Missing) | 10425 (21.7) |
| Obesity | YES | 3617 (7.5) |
| | NO | 28747 (59.8) |
| | Unknown | 5209 (10.8) |
| | (Missing) | 10528 (21.9) |
| Diabetes with complications | YES | 2608 (5.4) |
| | NO | 32338 (67.2) |
| | Unknown | 2732 (5.7) |
| | (Missing) | 10423 (21.7) |
| Diabetes without complications | YES | 6555 (13.6) |
| | NO | 28514 (59.3) |
| | Unknown | 2621 (5.4) |
| | (Missing) | 10411 (21.6) |
| Rheumatologic disorder | YES | 3712 (7.7) |
| | NO | 31423 (65.3) |
| | Unknown | 2514 (5.2) |
| | (Missing) | 10452 (21.7) |
| Dementia | YES | 5616 (11.7) |
| | NO | 29872 (62.1) |
| | Unknown | 2216 (4.6) |
| | (Missing) | 10397 (21.6) |
| Malnutrition | YES | 857 (1.8) |
| | NO | 32607 (67.8) |
| | Unknown | 4133 (8.6) |

Stratified: all

all

| | | |
|---------|-----------|--------------|
| | (Missing) | 10504 (21.8) |
| Smoking | YES | 1828 (3.8) |
| | NO | 23629 (49.1) |
| | (Missing) | 22644 (47.1) |