PIONEER Health Data Research Hub

Ventilation in Hospitalised Covid Patients(OMOP)

Data range: 01.01.2020-09.09.2020

NHS University Hospitals Birmingham NHS Foundation Trust

Total dataset size

7.4 GB

Measurements recorded	Total admissions	Total discharged
27M	92.6K	75.0K
Mortality rate	**Total distinct patients**	**Total Covid admissions**
1.5%	50.90K	24K

Length of stay (days)

Summation of patients LOS	Mean LOS
228K	2.49
Max LOS	**Mode LOS**	**Median LOS**
190	0	1

Demographics

Asian	Black African Caribbean	Mixed	White	Other	Not Stated
13%	5%	2%	67%	2%	11%

49 % 51 %

One of Europe's LARGEST most diverse and non-transient populations

0-25	26-40	41-55	56-70	71+
8%	18%	20%	26%	28%

Ventilation equipment used

Oxygen equipment	Airway device	Ventilator
13.9K	2.1K	1.1K

Endotracheal tube	Tracheostomy tube
1271	384

(Other equipment and devices are available)

Measurements

Oxygen saturation by Pulse oximetry	1.42M
Heart rate	1.41M
Blood pressure	1.4M
Respiratory rate	1.25M
Delivered oxygen flow rate	1.12M

(Other measurements are available)

Drugs administered & routes

5.3M Drugs recorded

Para-cetamol	Sodium Chloride	Oxygen	Glucose	Morphine	Oral route	Intravenous route	Nasal route	Sub-cutaneous route	Respiratory tract route
390K	316K	289K	241K	164K	2M	2M	300K	218K	167K

(Top 5 drugs administered and routes are taken. Other drugs and routes are available)

Comorbidities

0	1-2	3-5	more than 5
20.58%	32.84%	14.23%	32.35%

Number of comorbidities

Mortality % by Comorbidity

0-5	6	7	8	9	10 or more
0.16%	0.47%	0.90%	0.91%	1.79%	6.36%

Number of comorbidities

(Individual comorbidity available)