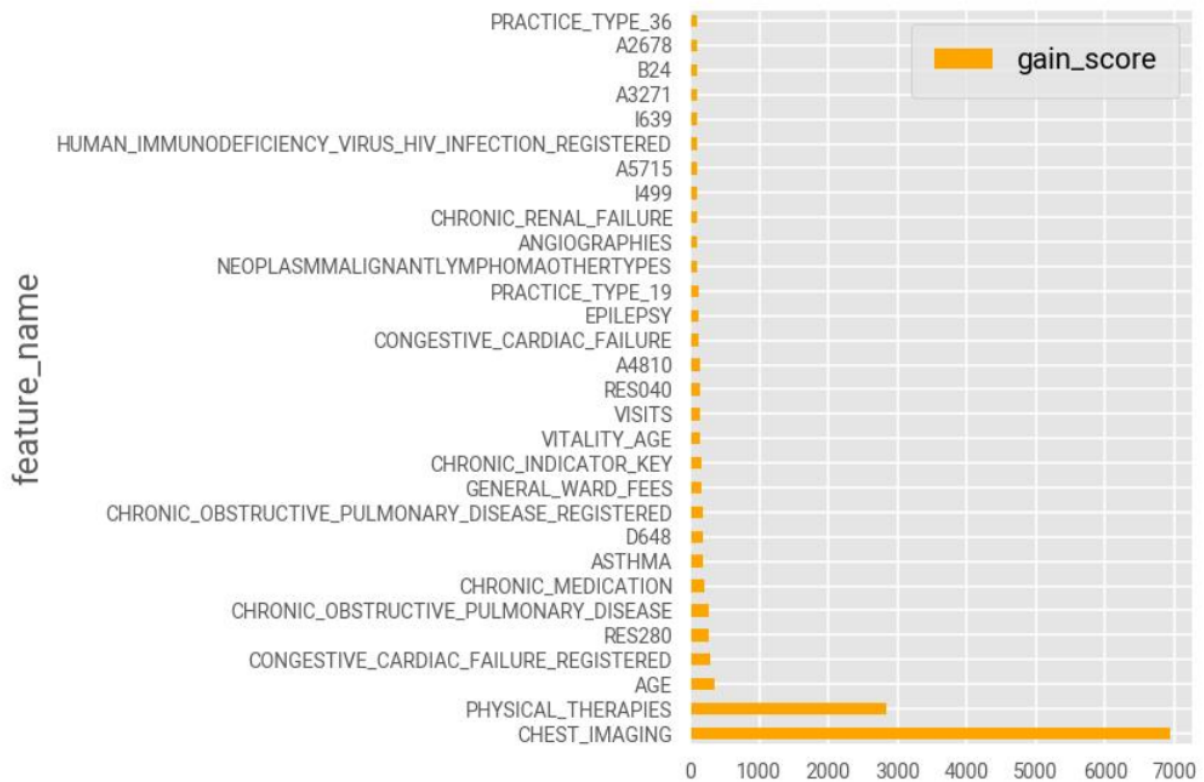


Supplementary table 1

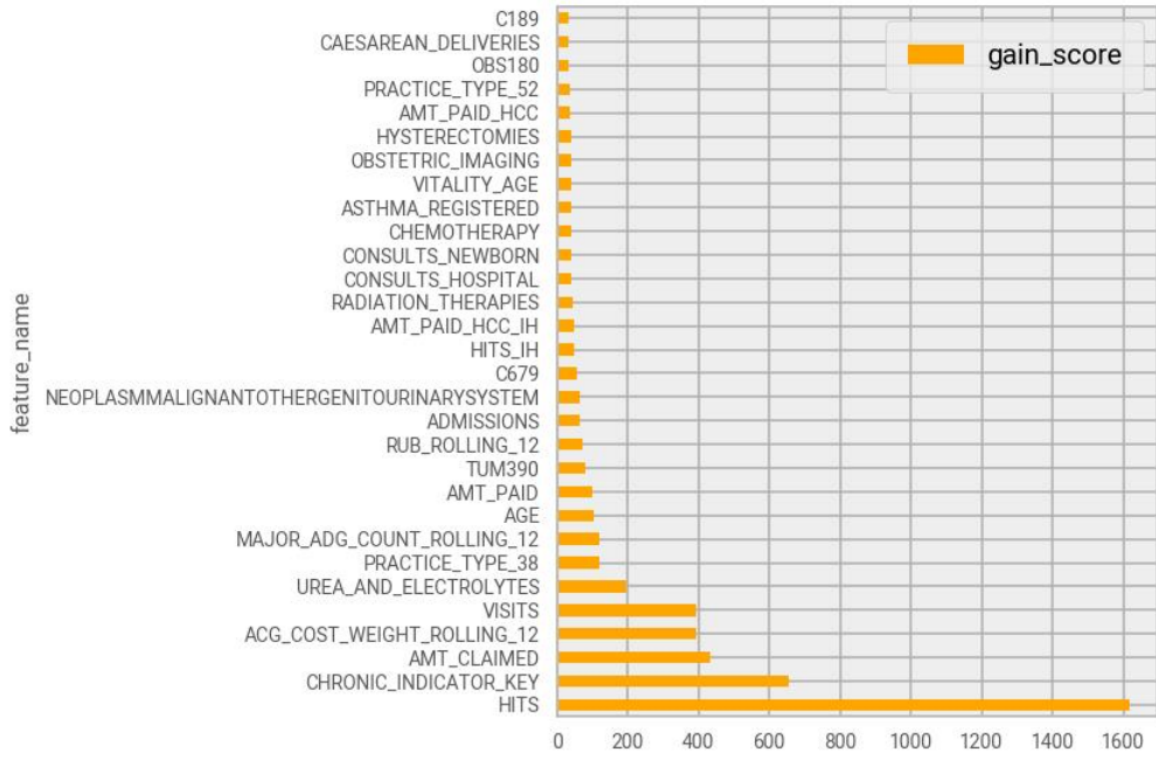
Cox proportional hazard results for in hospital deaths with CRP result on admission

| | Estimate | Hazard ratio- | Lower 95% CI | Upper 95% CI | p-value |
|-----------------------|----------|---------------|--------------|--------------|---------|
| Intervened | -0.31 | 0.73 | 0.47 | 1.15 | 0.18 |
| Age band 40-49 | 0.70 | 2.01 | 1.01 | 3.99 | 0.05 |
| Age band 50-59 | 0.84 | 2.31 | 1.18 | 4.49 | 0.01 |
| Age band 60-69 | 1.24 | 3.46 | 1.79 | 6.69 | <0.0001 |
| Age band 70-79 | 1.70 | 5.47 | 2.80 | 10.66 | <0.0001 |
| Age band >=80 | 2.10 | 8.21 | 4.17 | 16.14 | <0.0001 |
| Male | 0.45 | 1.57 | 1.23 | 2.01 | <0.0001 |
| Hypertension | 0.13 | 1.14 | 0.81 | 1.60 | 0.45 |
| Hypercholesterolemia | -0.00 | 1.00 | 0.73 | 1.35 | 0.98 |
| Diabetes | 0.26 | 1.30 | 0.99 | 1.72 | 0.06 |
| HIV | -0.44 | 0.64 | 0.33 | 1.25 | 0.19 |
| Asthma | 0.01 | 1.01 | 0.72 | 1.43 | 0.95 |
| 1 chronic condition | -0.30 | 0.74 | 0.45 | 1.22 | 0.24 |
| 2 chronic conditions | 0.33 | 1.40 | 0.85 | 2.30 | 0.19 |
| 3+ chronic conditions | 0.35 | 1.41 | 0.80 | 2.50 | 0.24 |
| CRP Test Score | 0.01 | 1.01 | 1.00 | 1.01 | <0.0001 |

Supplementary figure 1: Variable importance for the pneumonia admission model from medical schemes data



Supplementary figure 2: Variable importance for the admission model (excluding pregnancy) from medical schemes data



Supplementary figure 3: Distribution of time to death for study and control population and study population's time to receipt of pulse oximeter relative to COVID19 PCR collection date (in days)



