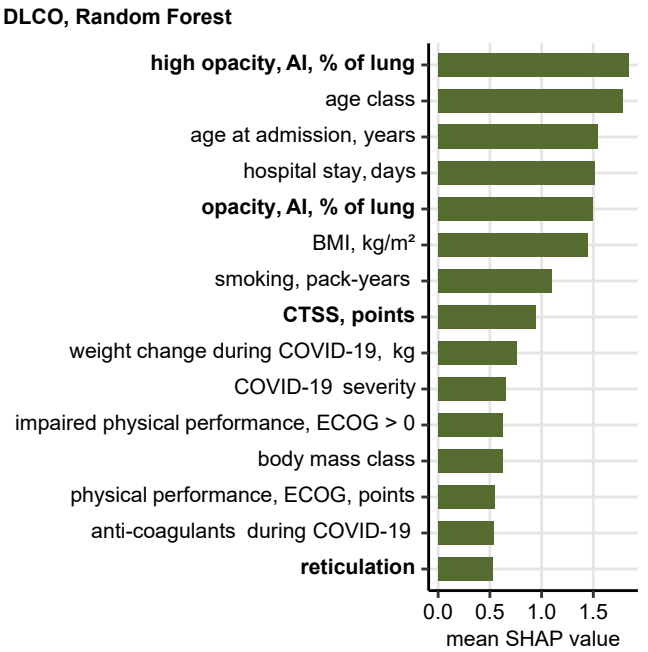
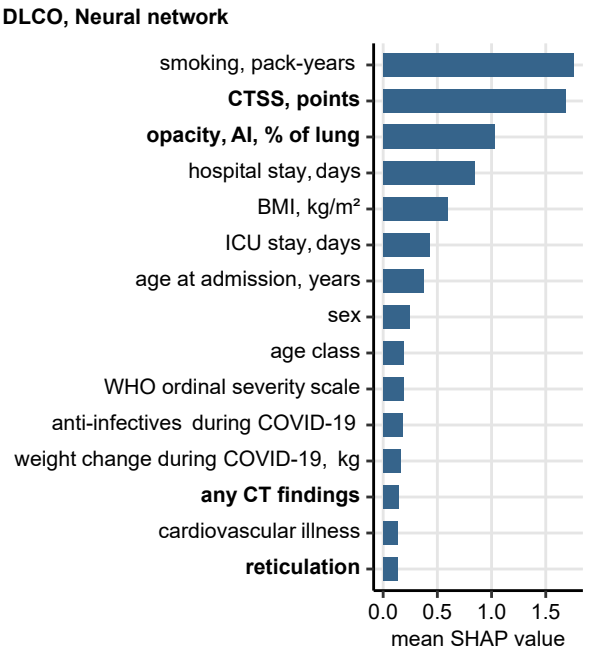
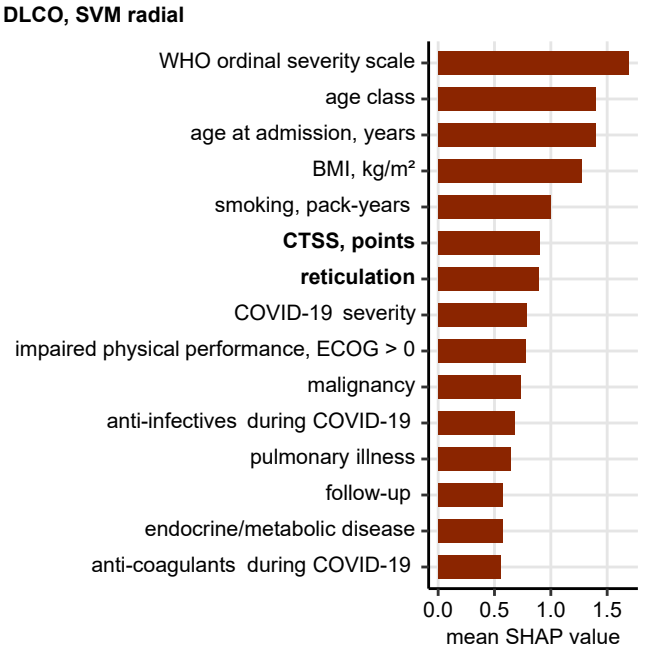
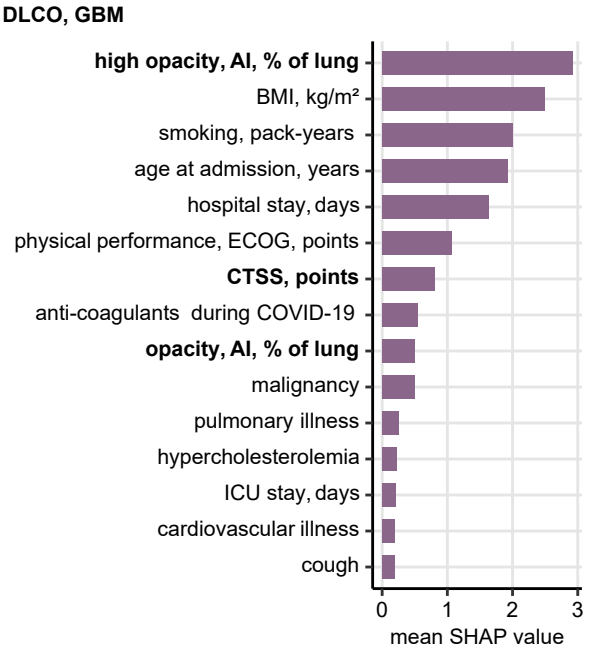

DLCO, Random Forest
high opacity, AI, % of lung
age class
age at admission, years
hospital stay, days
opacity, AI, % of lung
BMI, kg/m²
smoking, pack-years
CTSS, points
weight change during COVID-19, kg
COVID-19 severity
impaired physical performance, ECOG > 0
body mass class
physical performance, ECOG, points
anti-coagulants during COVID-19
reticulation
0.0 0.5 1.0 1.5
mean SHAP value


DLCO, Neural network
smoking, pack-years
CTSS, points
opacity, AI, % of lung
hospital stay, days
BMI, kg/m²
ICU stay, days
age at admission, years
sex
age class
WHO ordinal severity scale
anti-infectives during COVID-19
weight change during COVID-19, kg
any CT findings
cardiovascular illness
reticulation
0.0 0.5 1.0 1.5
mean SHAP value


DLCO, SVM radial
WHO ordinal severity scale
age class
age at admission, years
BMI, kg/m²
smoking, pack-years
CTSS, points
reticulation
COVID-19 severity
impaired physical performance, ECOG > 0
malignancy
anti-infectives during COVID-19
pulmonary illness
follow-up
endocrine/metabolic disease
anti-coagulants during COVID-19
0.0 0.5 1.0 1.5
mean SHAP value


DLCO, GBM
high opacity, AI, % of lung
BMI, kg/m²
smoking, pack-years
age at admission, years
hospital stay, days
physical performance, ECOG, points
CTSS, points
anti-coagulants during COVID-19
opacity, AI, % of lung
malignancy
pulmonary illness
hypercholesterolemia
ICU stay, days
cardiovascular illness
cough
0 1 2 3
mean SHAP value