Antibiotics, shortest treatment, days CRP, last 72h, last Culture pathogenicity, last 72h, Medium Culture pathogenicity, last 72h, Others Leukocytes, last 72h, last Lactate, last 72h, last Antibiotics, last 24h, Penicillins Creatinine, last 24h, last Microbiology, SDD positive, last 72h Thrombocytes, last 72h, last Culture pathogenicity, last 72h, High Culture pathogenicity, last 72h, Low Heart rate, last 24h, last SDD given, <14 days Blood pressure, systolic, last 24h, min Culture positive group, last 72h, Sputum Antibiotics, last 24h, Fluoroguinolones **BMI** Antibiotics, last 24h, Vancomycin Culture positive group, last 72h, Blood

-0.02 - 0.01 0.00

0.01

SHAP value (impact on model output)

0.02