



EDPVR = end-diastolic pressure-volume relationship
 = pressure vs volume in a relaxed ventricle
 => ventricular *compliance*

ESPVR = end-systolic pressure-volume relationship
 = pressure vs volume in a contracted ventricle
 => ventricular *contractility*

Afterload = $P_{es} / SV \Rightarrow TPR$ or arterial elastance
 $MAP = TPR * CO$ [MAP = mean art pressure,
 TPR = total periph resist = SVR, CO = cardiac output]
 $MAP = P_{es}$, and $CO = SV / T$ [T = period of cardiac cycle], so
 $P_{es} = TPR * SV / T$, thus (P_{es}/SV) is proportional to TPR

