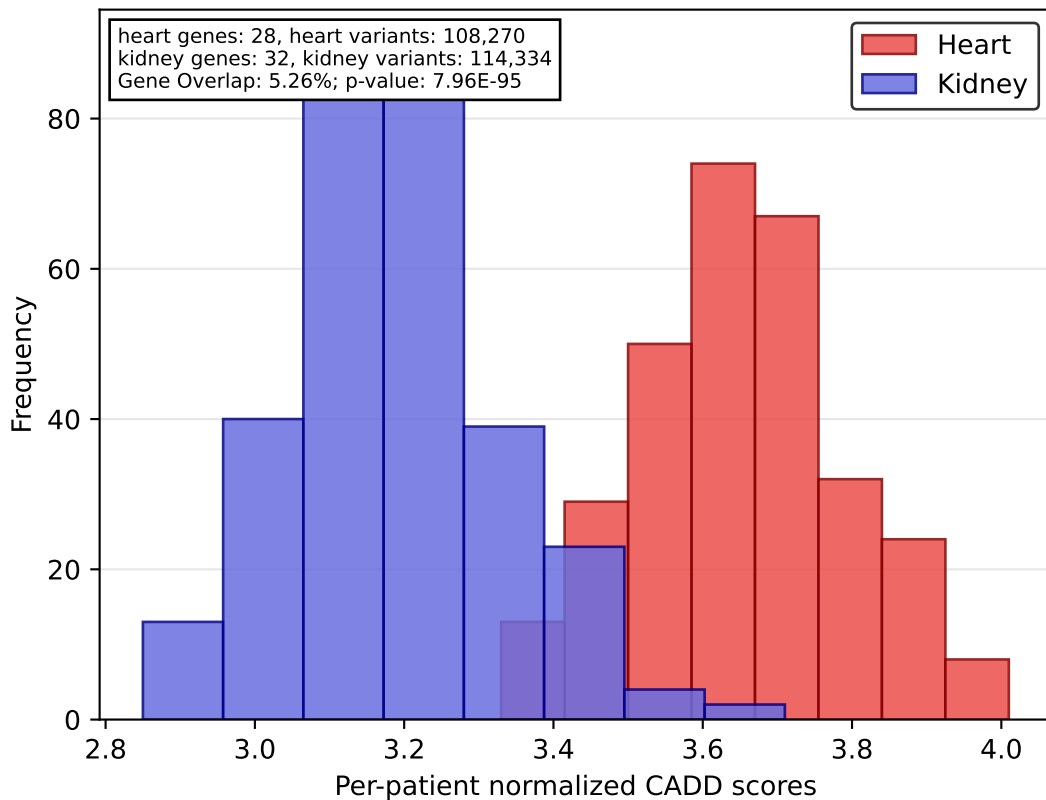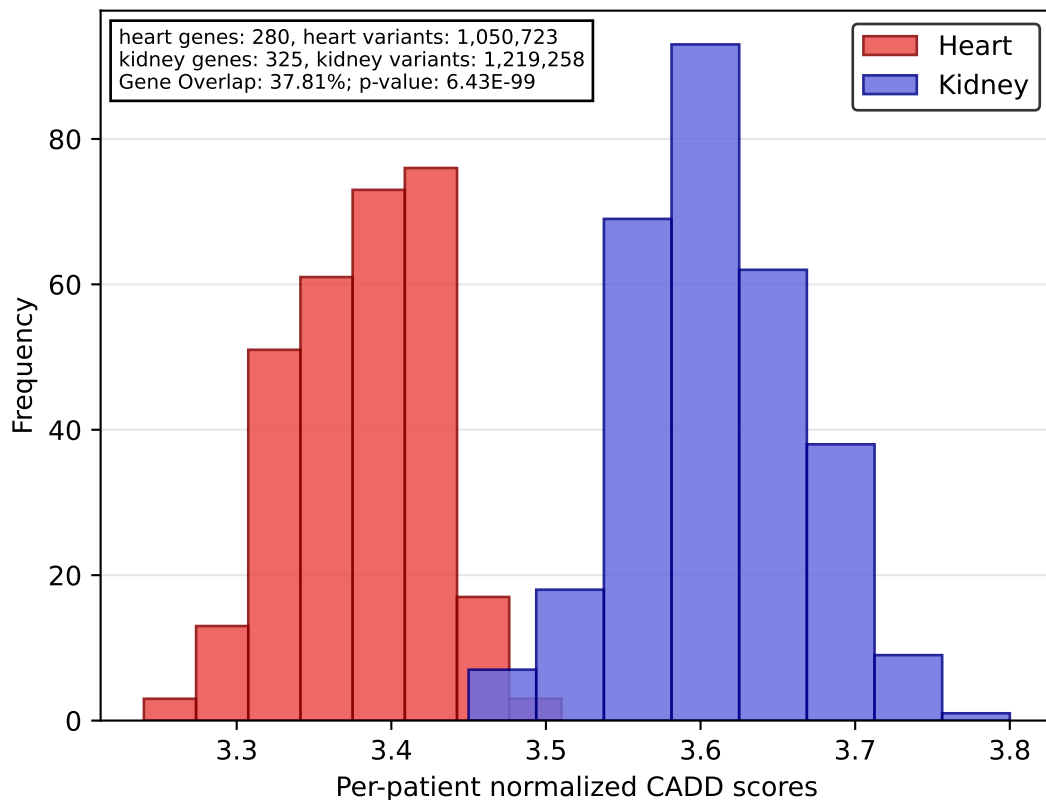Top 0.1% expressed genes from GTEx heart and kidney data were used to filter variants from the CHD cohort

heart genes: 28, heart variants: 108,270
kidney genes: 32, kidney variants: 114,334
Gene Overlap: 5.26%; p-value: 7.96E-95

Top 1.0% expressed genes from GTEx heart and kidney data were used to filter variants from the CHD cohort

heart genes: 280, heart variants: 1,050,723
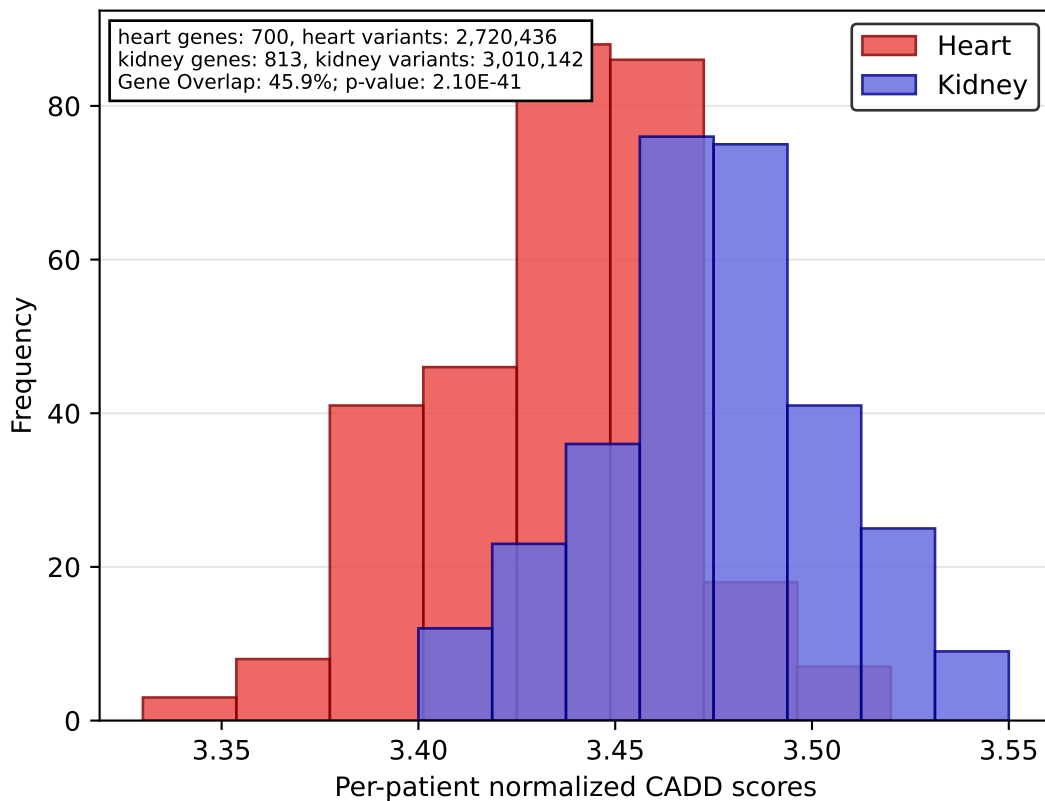kidney genes: 325, kidney variants: 1,219,258
Gene Overlap: 37.81%; p-value: 6.43E-99

Top 2.5% expressed genes from GTEx heart and kidney data were used to filter variants from the CHD cohort

heart genes: 700, heart variants: 2,720,436
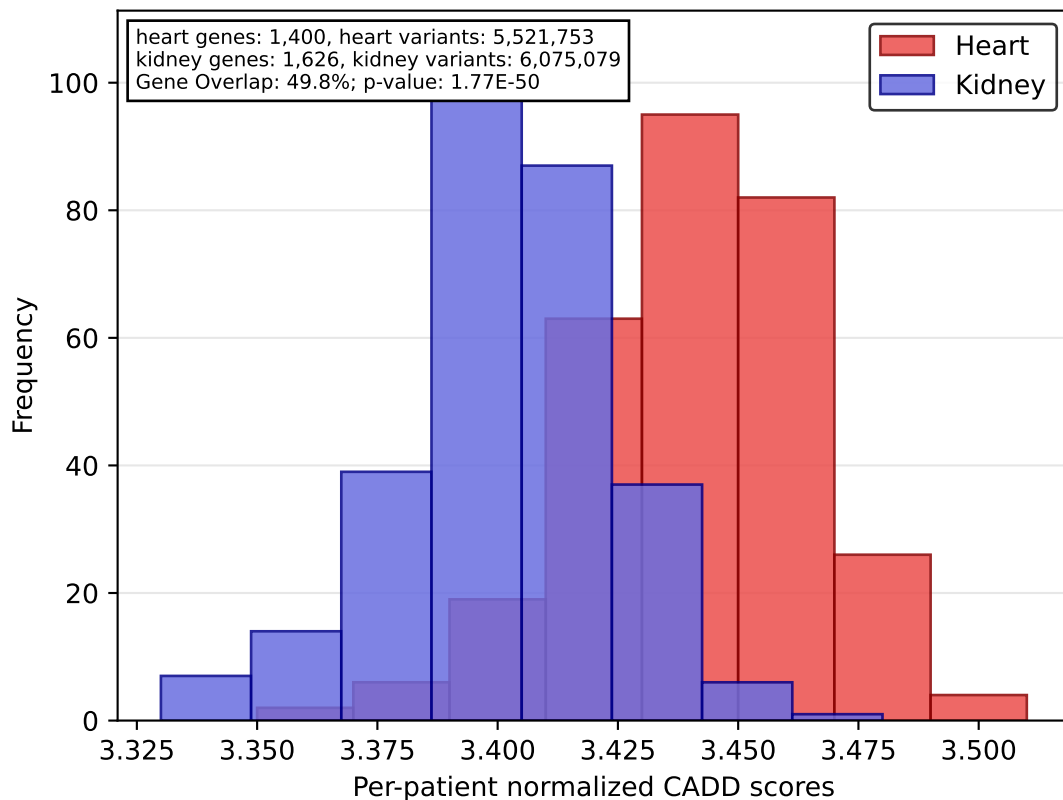kidney genes: 813, kidney variants: 3,010,142
Gene Overlap: 45.9%; p-value: 2.10E-41

Top 5.0% expressed genes from GTEx heart and kidney data were used to filter variants from the CHD cohort

heart genes: 1,400, heart variants: 5,521,753
kidney genes: 1,626, kidney variants: 6,075,079
Gene Overlap: 49.8%; p-value: 1.77E-50

Top 10.0% expressed genes from GTEx heart and kidney data were used to filter variants from the CHD cohort

heart genes: 2,801, heart variants: 11,100,757
kidney genes: 3,253, kidney variants: 12,367,947
Gene Overlap: 55.71%; p-value: 6.97E-33
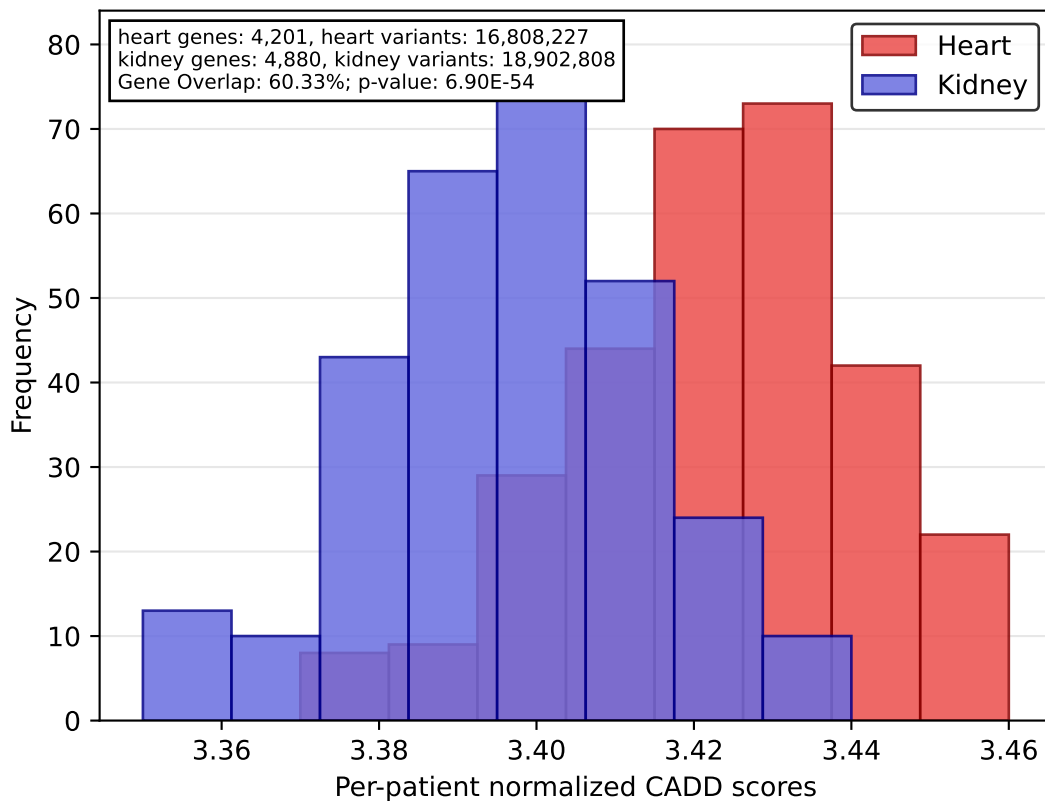
Heart
Kidney

Per-patient normalized CADD scores

Frequency

Top 15.0% expressed genes from GTEx heart and kidney data were used to filter variants from the CHD cohort

heart genes: 4,201, heart variants: 16,808,227
kidney genes: 4,880, kidney variants: 18,902,808
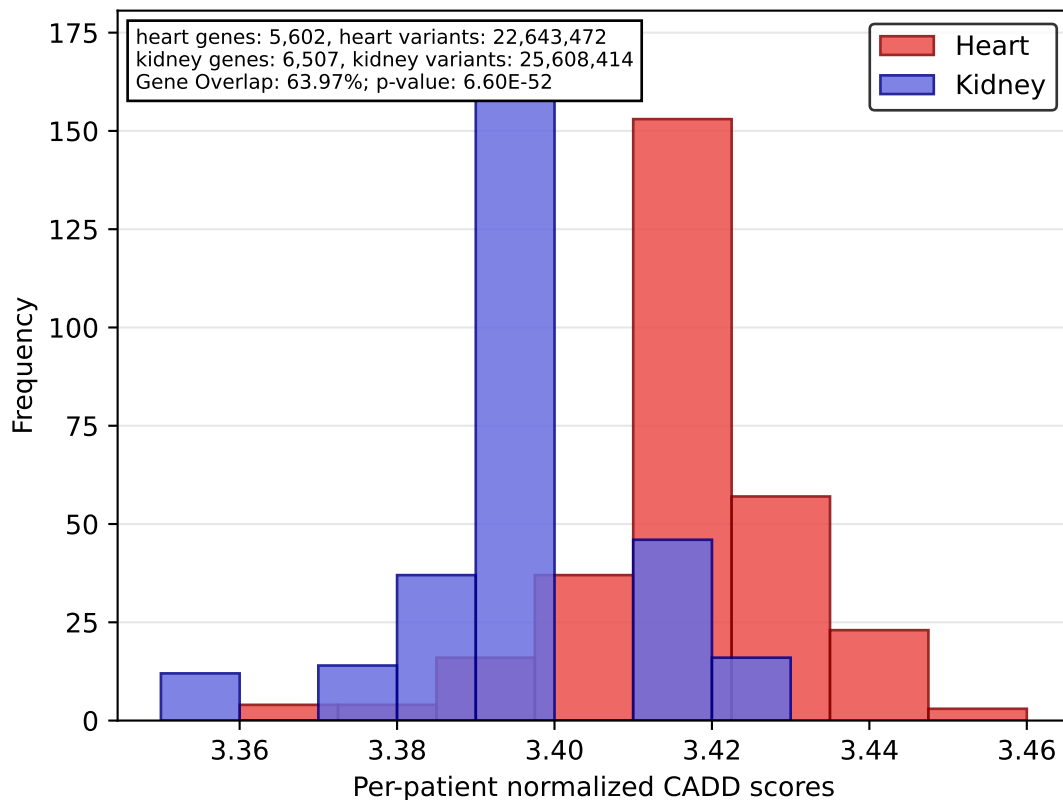Gene Overlap: 60.33%; p-value: 6.90E-54

Heart
Kidney

Frequency

Per-patient normalized CADD scores

Top 20.0% expressed genes from GTEx heart and kidney data were used to filter variants from the CHD cohort

heart genes: 5,602, heart variants: 22,643,472
kidney genes: 6,507, kidney variants: 25,608,414
Gene Overlap: 63.97%; p-value: 6.60E-52

Heart
Kidney

Frequency

Per-patient normalized CADD scores

Summary of CHD analysis using GTEx tissue datasets