

OrganAge-v4 AI Report

Subject: GTEX-1NV8Z

Model-Derived Aging Profile

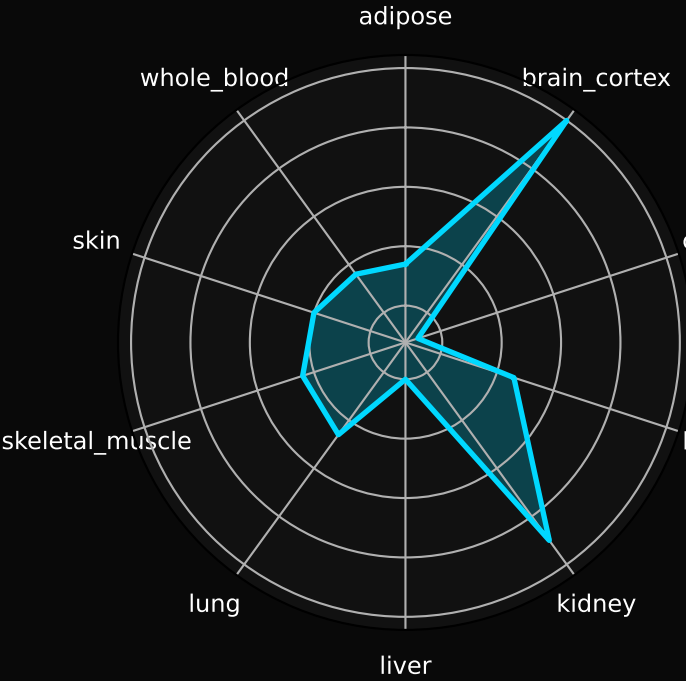
Chronological age: 64.5 years
Composite biological age (weighted): 54.3 years
Composite delta (bio - chrono): -10.2 years
Composite z-score: -0.86
Organs included: 10
Organs with $|z| \geq 2$: 0
Mean $|organ\ z|$ (burden): 0.87

This composite biological age is computed from organ-specific cross-modal embeddings using a reliability-weighted fusion of transcriptomic (GTEx) and imaging-derived (IXI, CheXpert) models. Negative deltas indicate organs younger than expected for age.

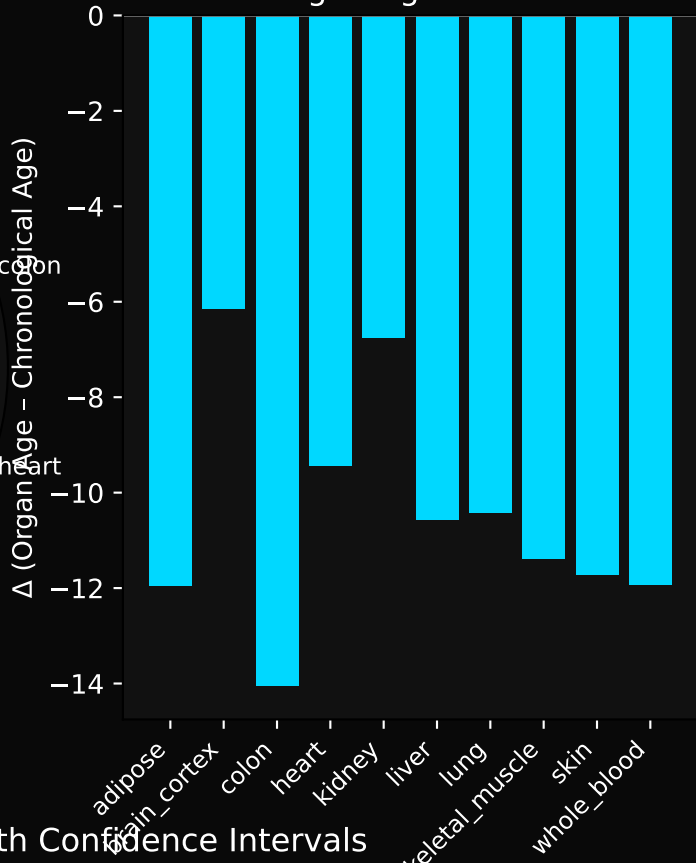
organ	n_samples	age_chrono	age_pred_cal	age_delta_cal	zscore_cal	ci_lower	ci_upper
adipose	1	64.5	52.54	-11.96	-0.93	24.5	64.99
brain_cortex	1	64.5	58.36	-6.14	-0.6	36.58	74.04
colon	1	64.5	50.45	-14.05	-1.04	24.11	64.5
heart	2	64.5	55.07	-9.43	-0.87	33.6	65.35
kidney	1	64.5	57.74	-6.76	-0.65	36.02	73.23
liver	1	64.5	53.93	-10.57	-1.0	34.19	64.5
lung	1	64.5	54.07	-10.43	-0.87	26.47	66.48
skeletal_muscle	1	64.5	53.11	-11.39	-0.88	24.5	67.21
skin	2	64.5	52.78	-11.72	-0.9	24.5	64.5
whole_blood	1	64.5	52.56	-11.94	-0.92	24.04	66.3

OrganAge-v4 – Model Visualization for GTEX-1NV8Z

Organ Z-Scores (Calibrated)



Organ Age Deltas



Organ Ages with Confidence Intervals

