

# OrganAge-v4 AI Report

## Subject: GTEx-1117F

### Model-Derived Aging Profile

Chronological age: 64.5 years

Composite biological age (weighted): 59.4 years

Composite delta (bio - chrono): -5.1 years

Composite z-score: -0.48

Organs included: 7

Organs with  $|z| \geq 2$ : 0

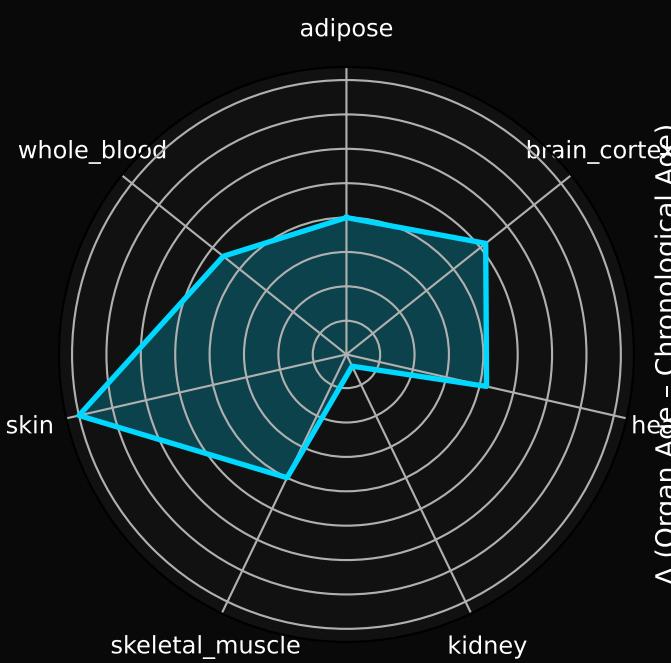
Mean  $|\text{organ } z|$  (burden): 0.47

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.

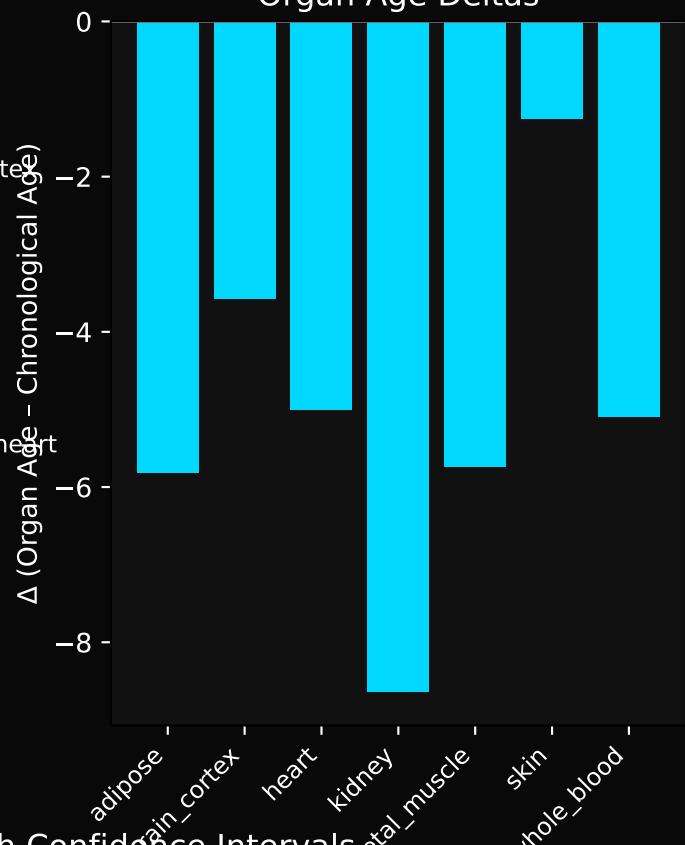
organ	n_samples	age_chrono	age_pred_cal	age_delta_cal	zscore_cal	ci_lower	ci_upper
adipose	1	64.5	58.68	-5.82	-0.5	36.57	76.03
brain_cortex	1	64.5	60.92	-3.58	-0.38	44.5	74.5
heart	1	64.5	59.5	-5.0	-0.48	41.39	71.42
kidney	1	64.5	55.86	-8.64	-0.86	34.5	69.82
skeletal_muscle	1	64.5	58.76	-5.74	-0.5	35.53	75.53
skin	1	64.5	63.25	-1.25	-0.1	40.21	80.21
whole_blood	1	64.5	59.4	-5.1	-0.44	37.22	76.15

# OrganAge-v4 – Model Visualization for GTEX-1117F

Organ Z-Scores (Calibrated)



Organ Age Deltas



Organ Ages with Confidence Intervals

