

OrganAge-v4 – Subject-Level Organ Aging Profile

Subject: GTEX-1117F

Global Metrics

How to read this profile:

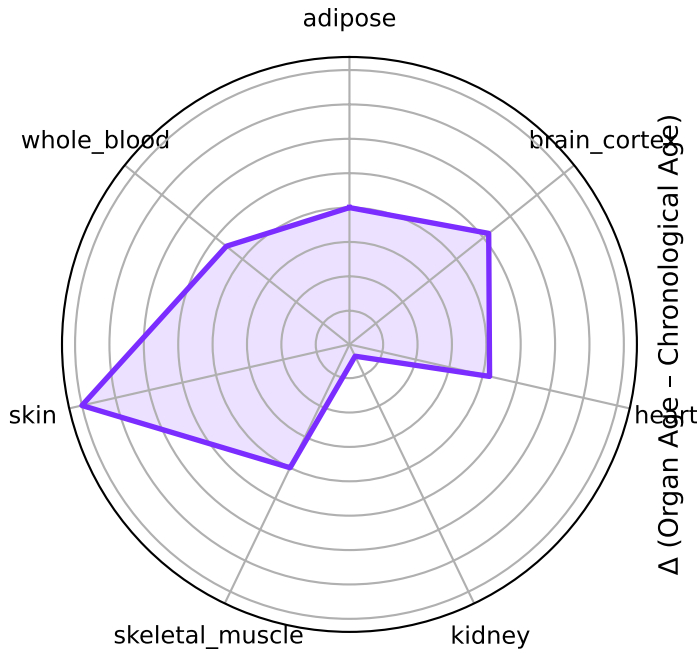
Chronological age: 64.5 years
Composite biological age (weighted): 59.4 years
Composite delta (bio - chrono): -5.1 years
Composite z-score: -0.48
Organs modeled: 7
Organs with $|z| \geq 2$: 0
Mean $|organ\ z|$ (organ-age burden): 0.47

- Each organ's biological age is predicted from multi-modal embeddings (transcriptomics + imaging) and calibrated against organ-specific normative curves.
- Negative Δ indicates an organ is biologically younger than expected for this chronological age; positive Δ indicates accelerated aging.
- Z-scores express this deviation in units of standard deviation relative to the healthy reference distribution.

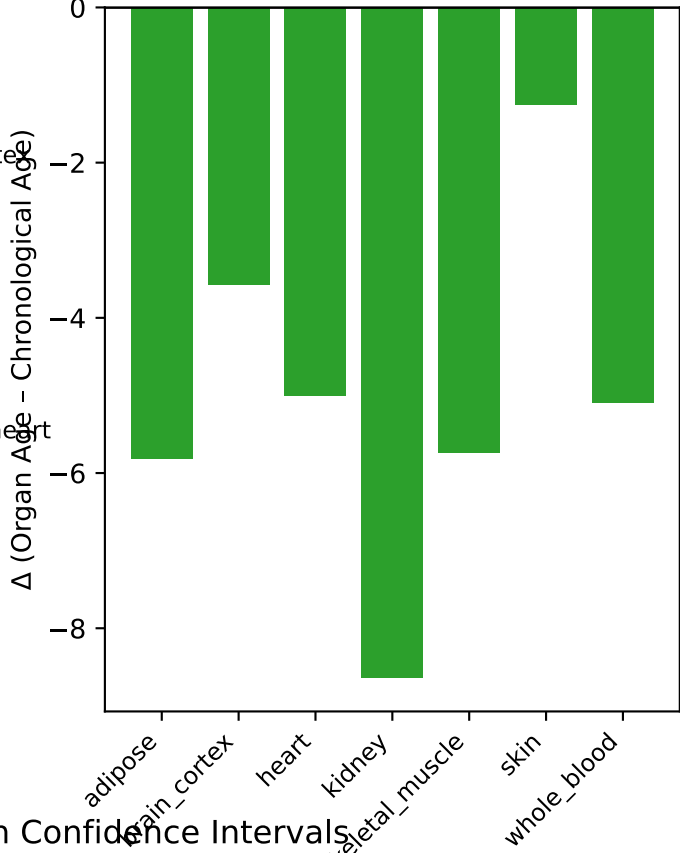
organ	age_pred_cal	age_delta_cal	zscore_cal	ci_lower	ci_upper
adipose	58.68	-5.82	-0.5	36.57	76.03
brain_cortex	60.92	-3.58	-0.38	44.5	74.5
heart	59.5	-5.0	-0.48	41.39	71.42
kidney	55.86	-8.64	-0.86	34.5	69.82
skeletal_muscle	58.76	-5.74	-0.5	35.53	75.53
skin	63.25	-1.25	-0.1	40.21	80.21
whole_blood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

OrganAge-v4 – Visualization Panel (Ready for Poster)

Organ Z-Scores (Calibrated)



Organ Age Deltas



Organ Ages with Confidence Intervals

