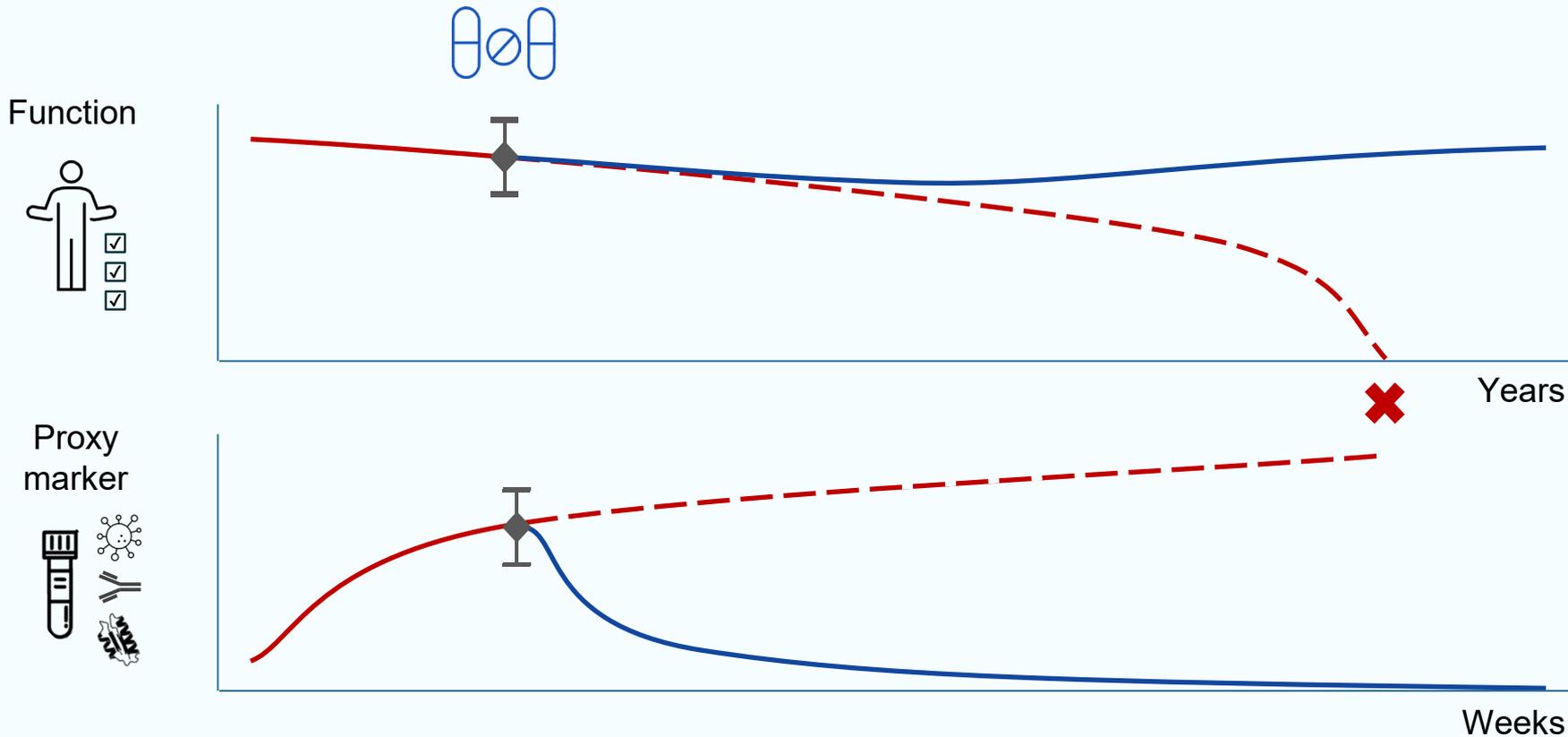
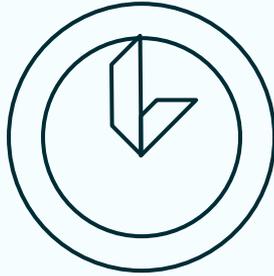


National Academy:
Precision Medicine in Neuroscience: Tools,
Translation, & Implementation
@JamieHeywood

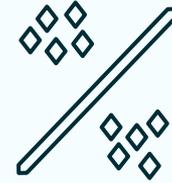


Time to Measure

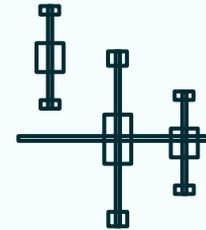




Shorten the time to
know an intervention is
working in an individual



Who (stratification)

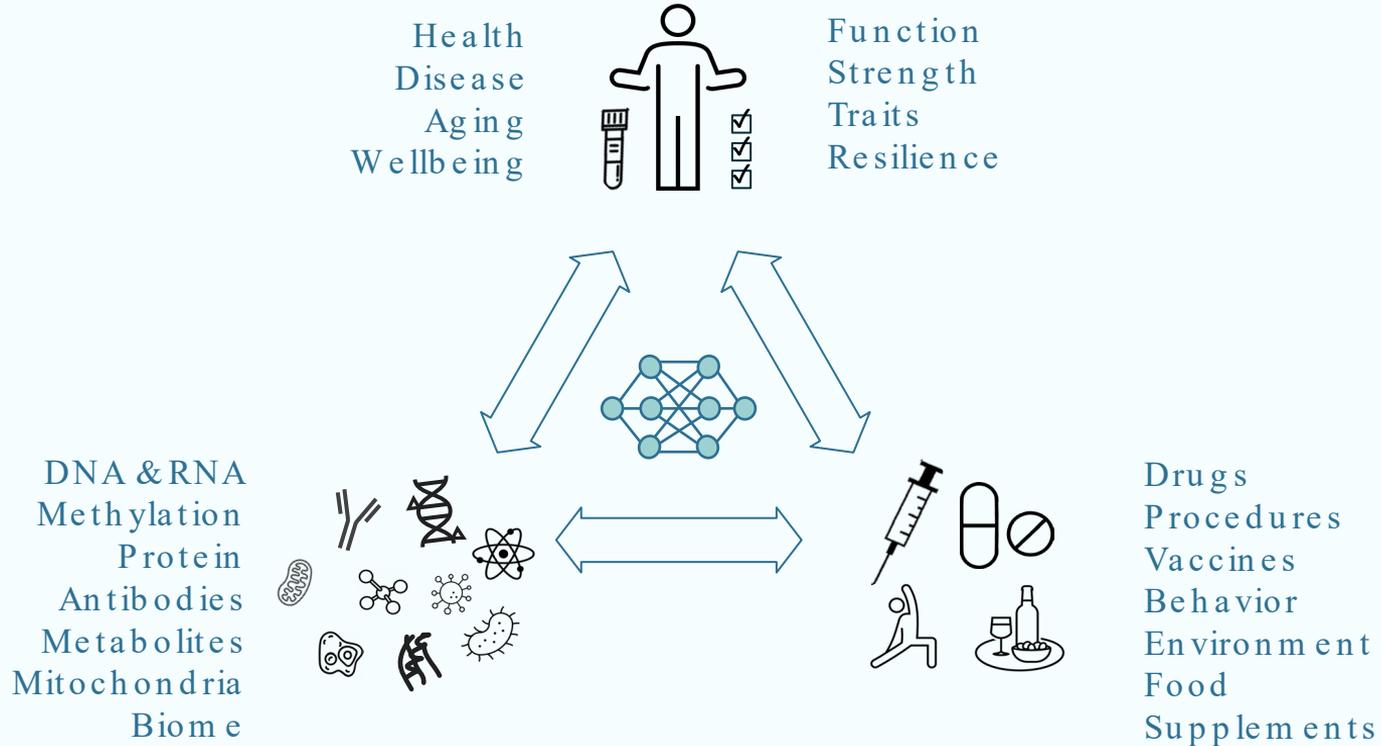


What (signal)

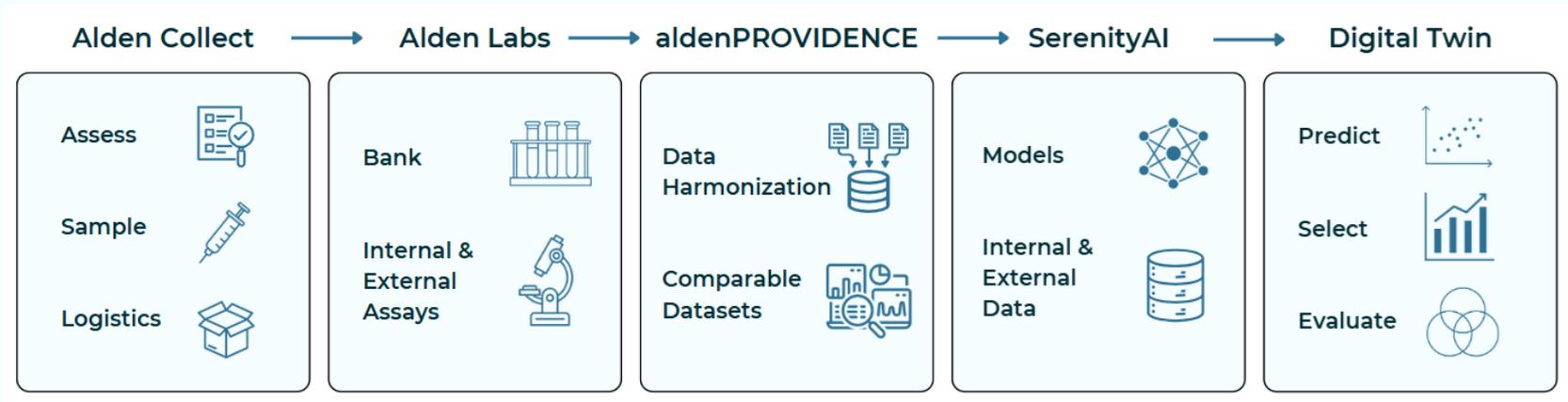
“All the properties of matter are so connected that we can scarcely imagine one thoroughly explained, without our seeing its relation to all the others; without, in fact, having the explanation of all.”

Lord Kelvin

Measure everything in everyone at once

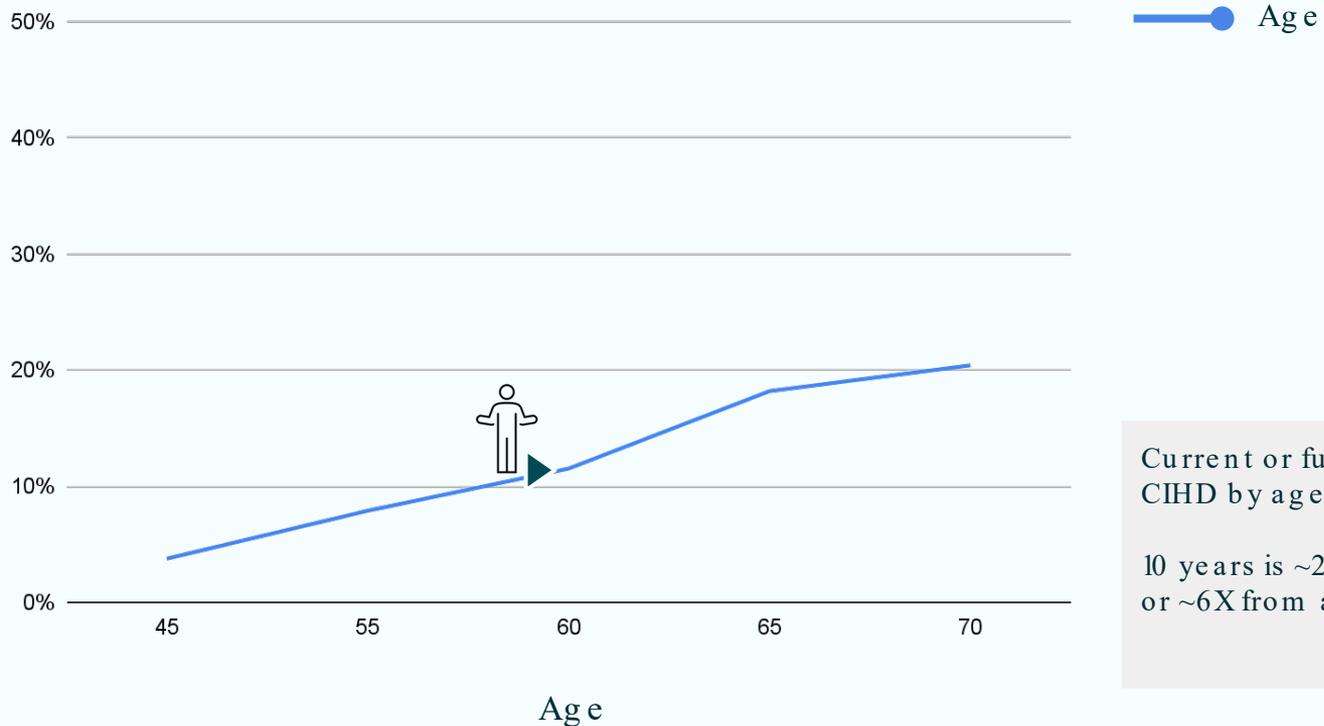


End to end multi -omic clinical AI platform



Age & Heart Disease Risk

CIHD (chronic-ischemic heart disease)



% Diagnosed with CIHD (today & over next ~10+ years)

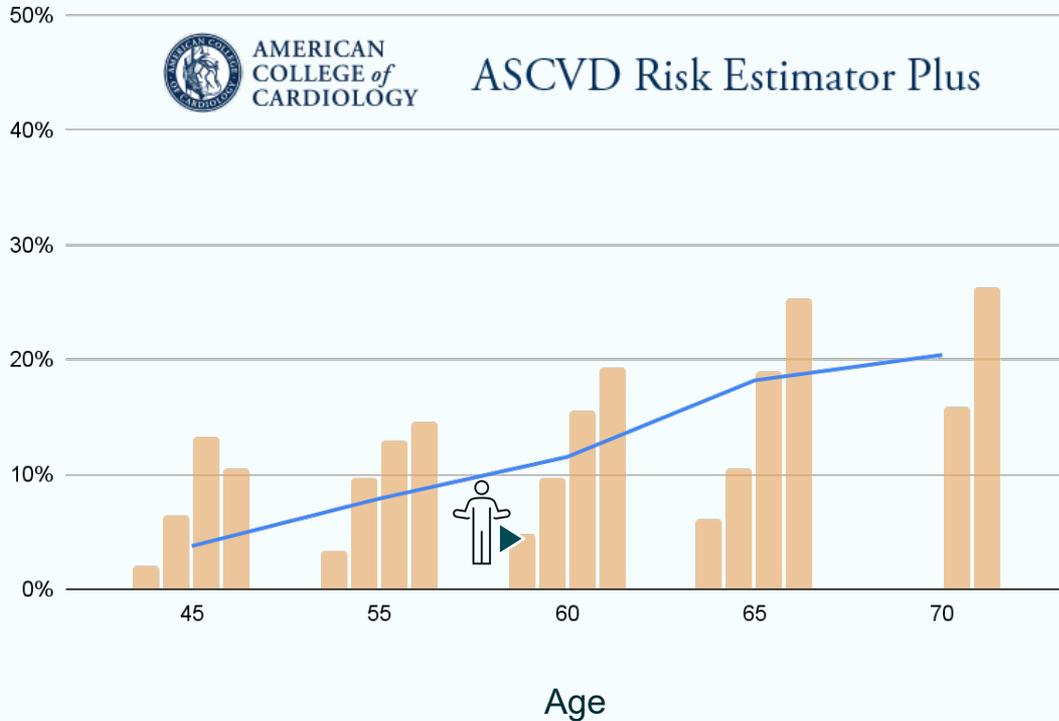
DX & DX over ~10+ years

Current or future (10+ years) CIHD by age

10 years is ~2x increase in risk or ~6X from age 45 to 70

ACC Personalized Heart Disease Risk

ASCVD: CIHD (chronic-ischemic heart disease)



% Diagnosed with CIHD (today & over next ~10+ years)

DX & DX over ~10+ years

Age Alone

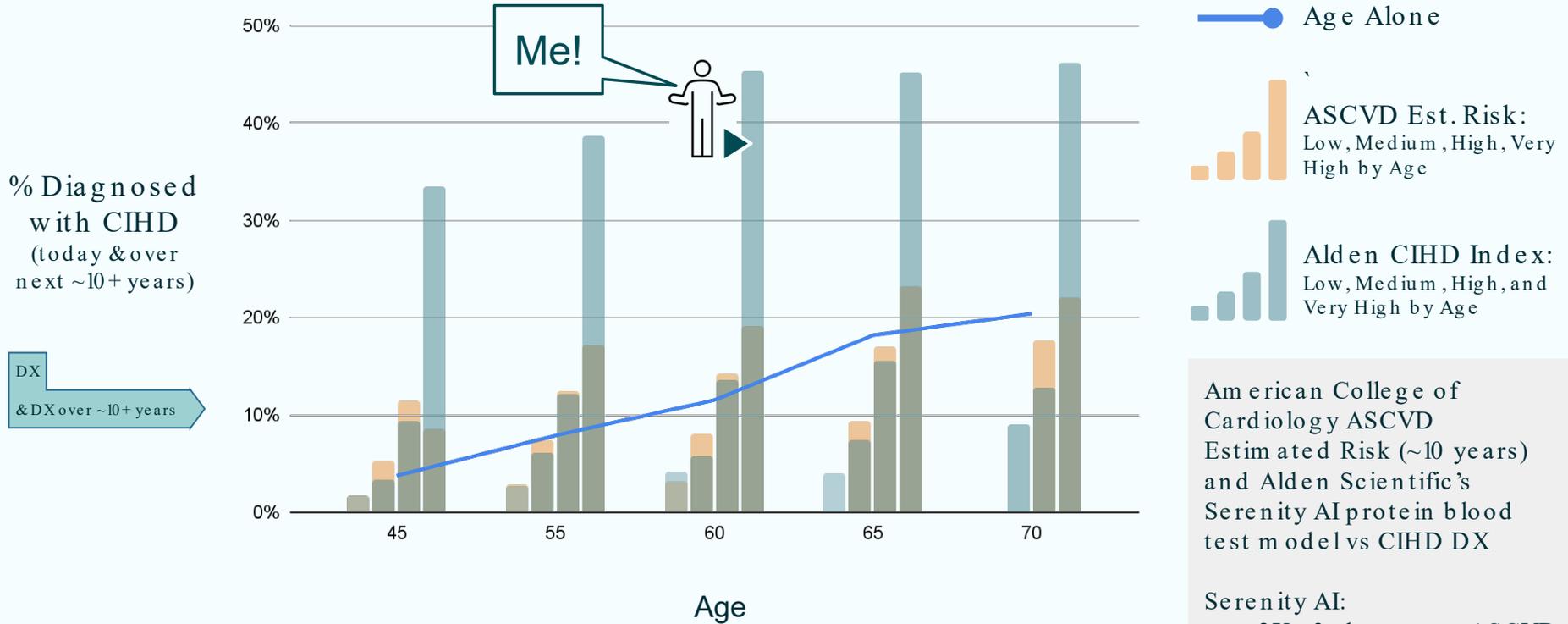
ASCVD Est. Risk: Low, Medium, High, Very High by Age

American College of Cardiology ASCVD Estimated Risk (~10 years) vs CIHD DX by age group.

ASCVD Estimated Risk is: 3 to 13 x better

Alden Individualized Heart Disease Risk

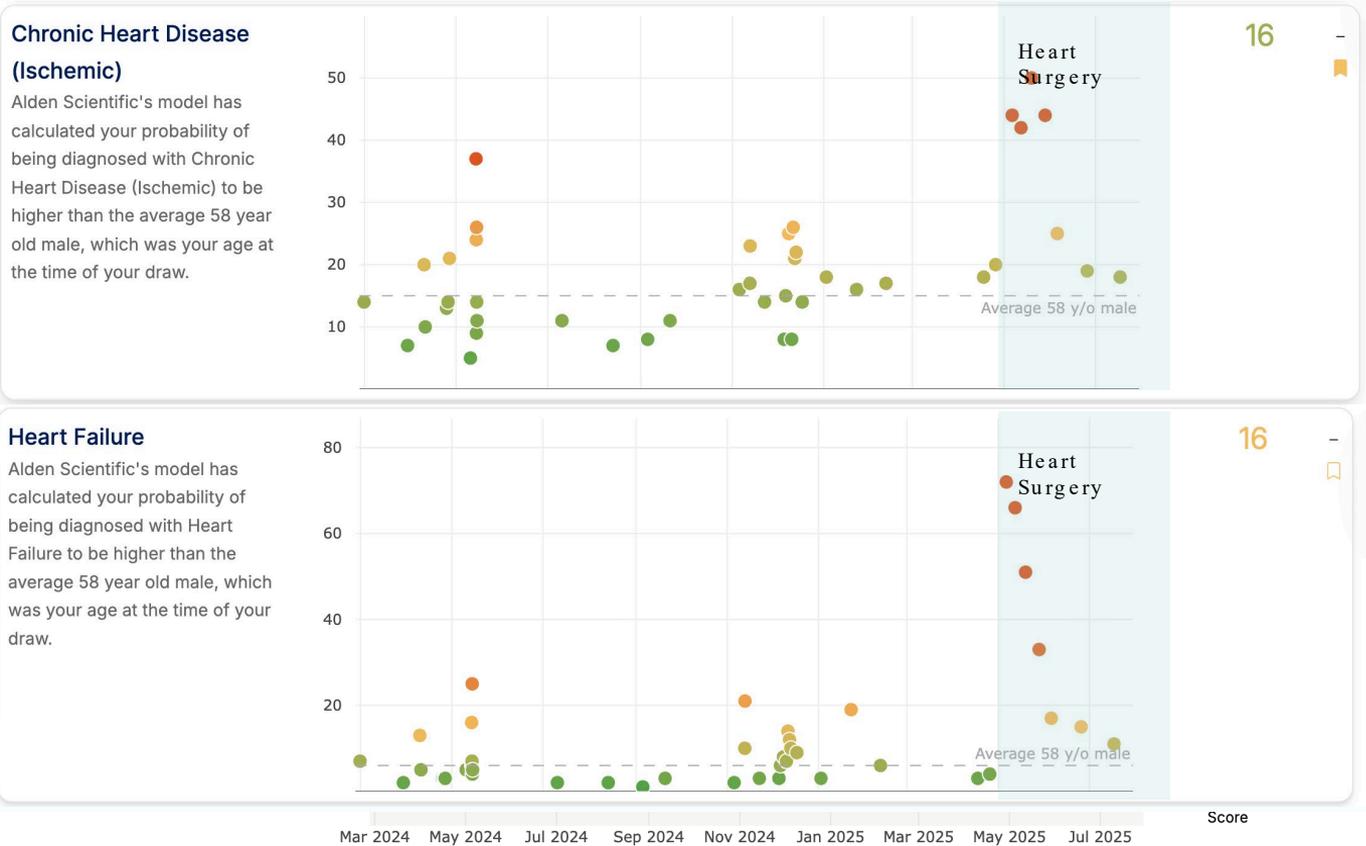
Serenity AI: CIHD (chronic-ischemic heart disease)



Alden Individualized Heart Disease Risk

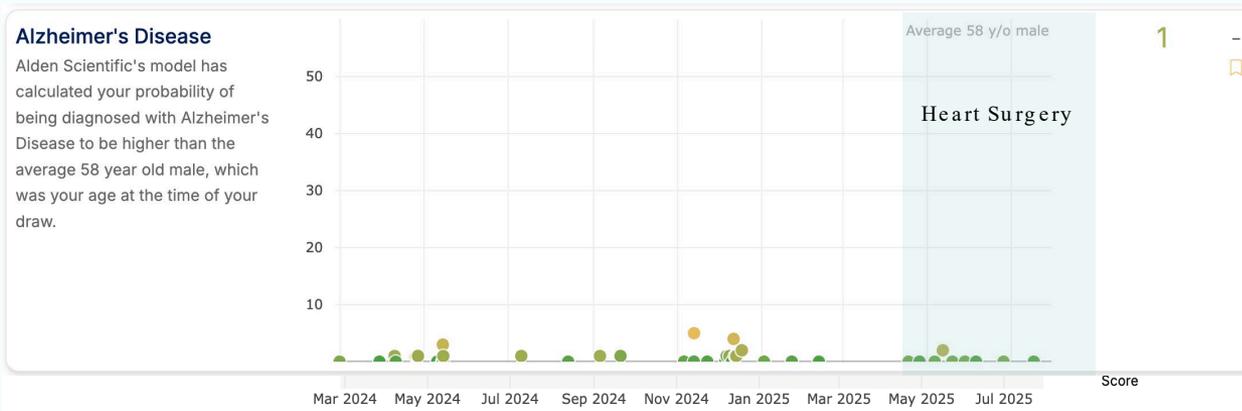
Serenity AI:
CIHD & Heart Failure

Personal Risk Over
Time ~ 2 Years



Alden Individualized Alzheimer's Risk

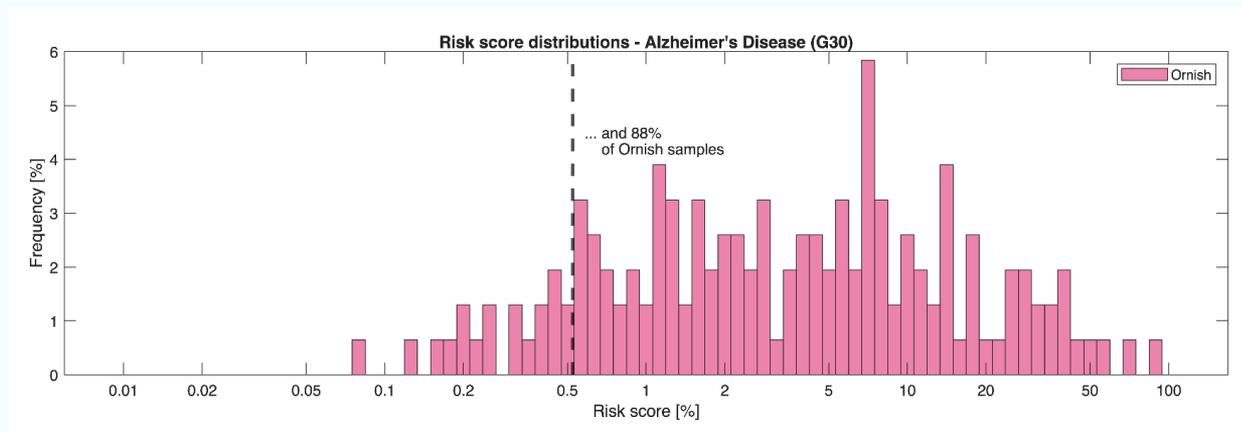
Personal



Clinical Trial:

Effects of intensive lifestyle changes on the progression of mild cognitive impairment or early dementia due to Alzheimer's disease: a randomized, controlled clinical trial

Dean Ornish et al



“I often say that when you can measure what you are speaking about, and express it in numbers, you know something about it; but when you cannot measure it —when you cannot express it in numbers —your knowledge is of a meagre and unsatisfactory kind.”

Lord Kelvin