

Health and Retirement Study Biomarker Update

Past

- Past collections include:
 - DBS (2006-16)
 - Physical measures (2006 on)
 - Salivary DNA (2006 on)
 - Venous blood (2016 on)
- Survey collection every two years since 1992
- Biomarkers since 2006

Present

- In the field now (2024-25)
- Currently collecting:
 - Physical measures FTF every 4 years
 - Salivary DNA – once per person
 - Venous Blood every 6 years
- What assays are you measuring?
 - VBS – cardio-metabolic panel, inflammatory markers, flow cytometry
 - DNAm, RNAseq, neuropathological markers

Future

- First longitudinal VBS data will be released this summer (6 yrs apart)
- New measures / Pilots:
 - DNA sequencing (partnership with ADSP)
 - Metals via mass spec (lead, mercury, cadmium, arsenic, lead)
 - Infection (HSV1, HSV2, EBV, Lyme)
 - TASSO collection for participants refusing VBS)