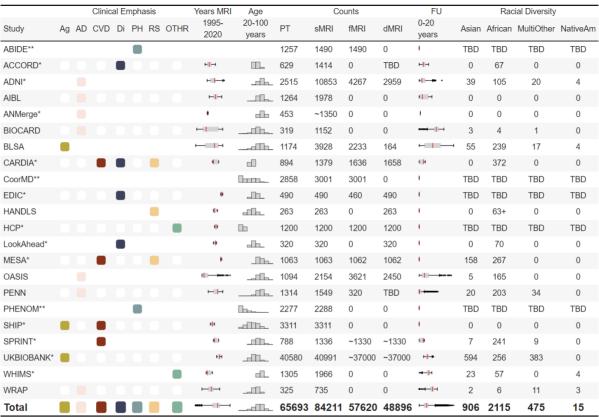


Fig 1. Schematic of NiChart software suite



Ag: aging; AD: Alzheimer's disease; CVD: cardio-vascular disease; Di: Diabetes; PH: psychosis/mental health, RS: race/socio-economics; OTHR: other; PT: number of participants; FU: MRI Follow-Up; *: multi-site; **: multi-sitey

Fig 2. Reference MRI dataset used for data harmonization and for training machine learning (ML) models

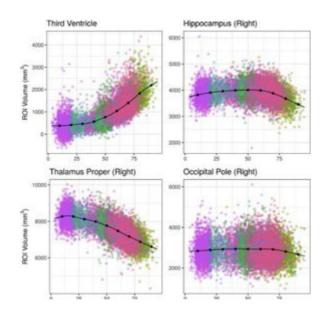


Fig 3. Age trends of selected imaging features after data harmonization

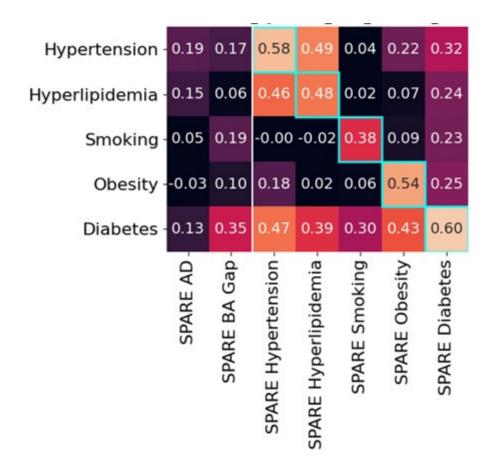


Fig 4. Panel of SPARE scores derived from the reference dataset. Correlations between SPARE scores for various diseases and conditions

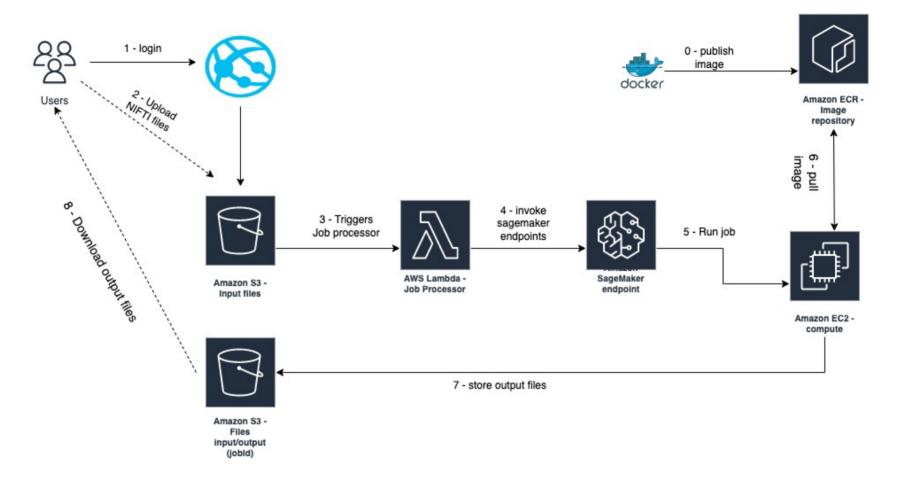


Fig 5. Architecture diagram of the web interface