AAIC Express: Data Sharing Platforms (Featured Research Session)

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- Integrated dementias research environment
- Enables rapid analysis of 38 UK-based existing studies (2 million subjects)
- Risk stratification for early phase trials
- Available data: EHRs, genetic, imaging and wearables data
- Infrastructure
  - 7 PET-MR scanners
  - Multi-modal informaics network
  - Stem-cell network
- Data must be analysed remotely

EPAD
European Prevention of
Alzheimer's Dementia Consortium

- Recruiting participants for AD trials is difficult
- EPAD allows recruitment of suitable patients from other clinical trials
- 9 cohorts currently signed up, 17,000 non-demented participants
- Cohort owners provide anonymised data on AD risk factors and demographics
- Adaptive Clinical trials:

- Platform for cohort discovery and data exploration
- Integrates data from over 60 Data Partners (DP)
  - ADNI, DIAN, AIBL, Brain Health Registry, CLSA, E-ADNI, EDSD, . . .
- Provides data visualisation and analysis tools in the browser