Rates of Progression

DRIVER PROJECT · DISEASE PROGRESSION TRACKING

Alzheimer's Disease Data Initiative

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What are the key factors driving differential rates of disease progression?

Modeling rates of disease progression across existing trial and cohort data to uncover the factors driving decline — and to guide better-targeted treatments and interventions.

Harmonizing and analyzing data at scale across

4+

neurodegenerative diseases: Alzheimer's, Parkinson's, FTD and ALS

1

common framework uniting siloed trial and cohort datasets

» The gap

Progression varies widely between individuals, yet research is fragmented across siloed datasets and inconsistent definitions — leaving studies underpowered to detect the patterns that matter.

» The approach

A global, interdisciplinary consortium harmonizes clinical trial and longitudinal cohort data in a common environment to compare findings across studies.

» The differentiator

Combining multimodal data across neurodegenerative diseases to uncover insights no single study could reach.

Key research questions

- Why do progression rates differ within and across diseases?
- Which biological, clinical, imaging and molecular features predict progression?
- Can we define data-driven progression subtypes that improve trial design?

What this unlocks

Identify

Quantify the biological, clinical and methodological drivers of progression.

Predict

Surface the features that predict how fast disease progresses.

Apply

Inform sharper diagnosis, treatment and clinical trial design.

A global, interdisciplinary consortium of academic, industry and nonprofit partners, hosted on AD Workbench by the AD Data Initiative. Investigator institutions include UCL, F-Prime, AFTD, Target ALS, Answer ALS and the University of Gothenburg.