

# A pivotal moment for a unified approach

International Registry for Alzheimer's disease and other Dementias (InRAD)

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- JV is a consultant for InRAD.
- InRAD is coordinated by the independent International Registry for Alzheimer's Disease and Other Dementias Foundation, a health-related not-for-profit entity incorporated in the Netherlands
- ₭ InRAD has received financial contributions from the pharmaceutical industry, including:
  - Eli Lilly
  - Schwabe Group
  - Novo Nordisk
  - BMS
- Others partners include: Alzheimer's Network, Icometrix NV, Neurophet
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### A Pivotal Moment for a Unified Approach

## The International Registry for Alzheimer's Disease and Other Dementias (InRAD)

- What is InRAD?
- Minimum Data Set (MDS) and Extended Data Set (EDS)
- The InRAD cloud-based registry data entry platform
- The AURORA-AD (natural history) sub-study

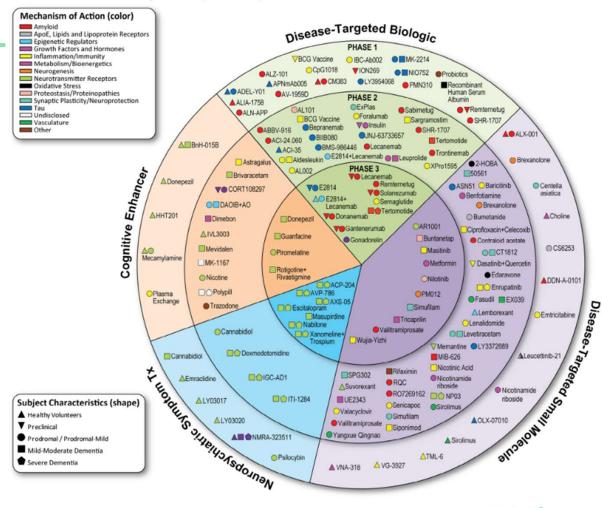




## **Exciting times in AD**

- Rich drug development pipeline
  - 138 drugs in development, Jan 2025<sup>1</sup>
  - Lecanemab, Donanemab
- Advances in biomarkers, diagnosis and prognosis evolving at fast pace<sup>2</sup>
- - New early AD natural history
  - Application of biomarkers & risk factors
    - Earlier diagnosis?
  - Long-term safety, effectiveness, value of treatments
  - ... and many others

#### 2025 Alzheimer's Drug Development Pipeline





## InRAD, the first and only international clinical practicebased registry in AD

### Meaningful data

Sustainable platform

**Collaborative science** 



Free-to-access cloud-based data platform and collaboration infrastructure



Contributing doctors' centres own their data (Data Controller)



Collaboration within and outside the network



InRAD (Data Processor) coordinates international research and studies



Participation in scientific agenda (e.g. own research; multicentre or national research studies)



Data Quality workstream to support use cases



## First step: reaching consensus on MDS/EDS

- ▶ Define Minimum Data Set (MDS) for Alzheimer's disease diagnosis and care
- Provide Extended Data Set (EDS) to enrich medical context
  - International Steering Committee
  - Multistakeholder consultation: clinicians & academics, patient representatives, pharmaceutical industry
  - Consensus agreement & Publication

## Minimum data set (MDS)

Demographic, efficacy and safety data collected by every investigator

## Extended data set (EDS)

Collected data collected where practice permits, certain instruments are used (e.g. those mandated by local authorities or that are part of local clinical practice) or when sites participate in registry studies



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From AD/PD 2025 presentation https://www.inradnetwork.org/resources

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Consensus sponsors and partners



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## Minimum Data Set published in JPAD

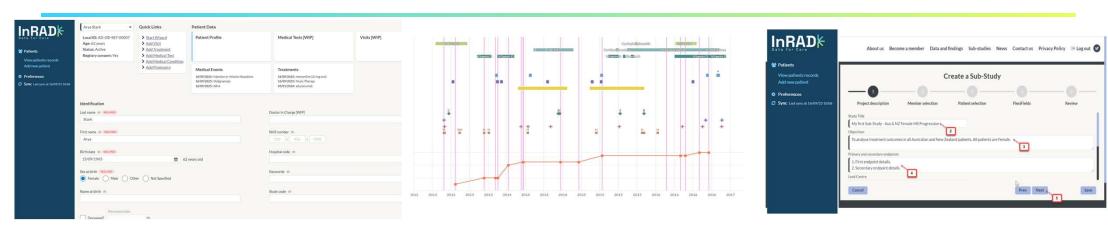
	Field	Definition	Frequency	
Section			Entry Visit	Visit (minimum Annually
Patient Profile/ Demographics	Patient ID	Patient globally unique ID (system creates)	Х	
	Consent		Х	
	Care partner	Availability as informant	Х	Х
	Sex at birth	M/F/other	X	
	Birth date	Year and month only	Х	
	Race		Х	
	Place of residence	Country	Х	
	Education	ISCED 2011	Х	
	Initial Living status	Alone, with family/partner, in care setting, other	Х	Х
	Height	cm	Х	
	Weight	Kg	Х	Х
Disease	Family history of	First degree relative	Х	
characteristics (diagnostic	dementia  Date of first consultation		X	
work-up)	for screening for dementia		_ ^	
	Syndrome	Normal/subjective cognitive decline/Mild cognitive impairment/Mild/moderate /severe dementia	X	
	Date of symptom onset	Date	X	
	Date of diagnosis	Date, where, and by whom	Х	
	Diagnosis	AD plus others (from picklist)	Х	
	Disease presentation	Predominent syndrome in the first 2 years	Х	
	Amyloid positivity	Y/N/Not performed/Indeterminant	Х	
	Tau positivity	Y/N/Not performed/Indeterminant	Х	
	Imaging evidence of neurodegeneration	Y/N/Not performed/Indeterminant	Х	

Clinical	Clinical staging	Global AD staging, NIA-AA 2018/24	X	X
outcomes	Cognitive screening test	N/Y (MoCA or MMSE; score)	X	X
	Functional scale	N/Y, score	Х	Х
	Milestone events	Driving/working/living status	Х	Х
Safety and relevant medical	Serious Adverse Event (SAE)	Untoward medical occurrence (e.g., death, hospitalisation, illness resulting in major change)		Х
condition	ARIA			Х
	Infusion/injection			Х
	Other AEs of interest	Serious malignancy, serious infection, other neurological conditions		Х
	Medical conditions	Relevant medical conditions (history and concomitant)	Х	Х
Imaging	Imaging	N/Y – type, date of scan and reason	х	Х
Treatments	Disease modifying treatment	Treatment ID, name start/stop date	Х	Х
	Symptomatic treatments of interest	Treatment ID, name start/stop date	Х	Х
	Other treatments of interest	Treatment ID, name start/stop date	Х	Х
Registry discontinuation	Including death	Date and cause of death	*	Х

Perneczky et al. Real-world datasets for the International Registry for Alzheimer's Disease and Other Dementias (InRAD) and other registries: An international consensus, The Journal of Prevention of Alzheimer's Disease 2025 <a href="https://doi.org/10.1016/j.tjpad.2025.100096">https://doi.org/10.1016/j.tjpad.2025.100096</a>



## InRAD platform is built on 20+ years of MSBase registry systems, operations and governance expertise



#### **Data entry system**

- User-friendly data entry system
- Intuitive, roll-out menus
- Access through patient profile, disease 'sections'
- PDF-extractable summary reports for patient HER (electronic health record)

#### **Patient Overview Graph**

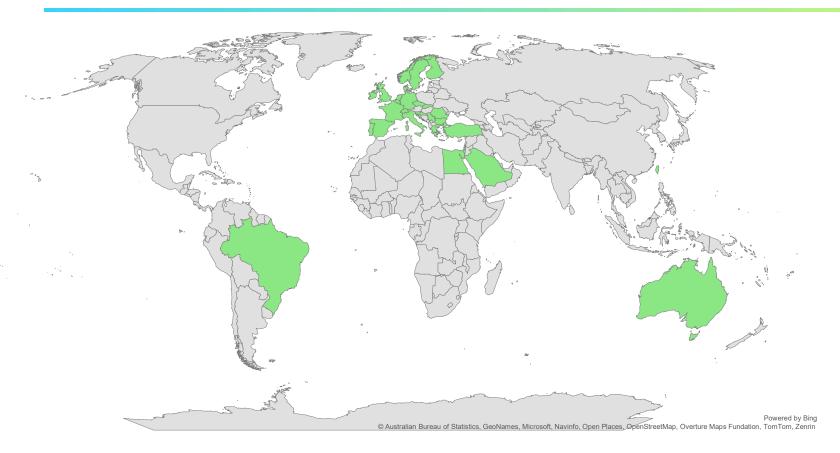
- Increased functionality at pointof-care
- Valued by clinicians to enable day-to-day patient management as well as accessible clinic data management
- Future external data source integration e.g. blood markers, ePROs, imaging solutions

#### Registry and collaboration

- Tool for Investigator-initiated prospective 'sub-studies'
- Filtering for defined sub-set of patient records
- Allows for the creation of national, supranational and regional studies



## Launching InRAD Around the World



#### PILOT - November 2025



27 Pls





Wave 1 deployment
January 2026
18 countries



#### **AURORA-AD**

A prospective, observational, InRAD registry-led sub-study, to shed light on the progression and transitions of Alzheimer's disease, and burden on patients, care partners, and healthcare systems

Evaluating the natural history of Alzheimer's disease in the emerging setting of disease-modifying treatments and timely and accurate diagnosis supported by biomarkers

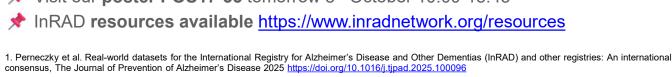
Study Type	Prospective, Observational, InRAD registry-led registry substudy	
Primary objective	Define global disease trajectories (time to transition between AD stages)	
Secondary objectives	<ul> <li>Characterize cognitive trajectories and their interactions with clinical and biomarker risk factors</li> <li>Assess disease burden on patients, caregivers, and healthcare systems (resource utilization)</li> <li>Explore the impact of comorbidities and concurrent treatments on disease progression</li> </ul>	
Exploratory Objectives	<ul> <li>Identify high- and low-risk progression profiles</li> <li>Examine blood biomarkers for early diagnosis and progression prediction</li> <li>Evaluate patient (and care partner)-electronic PROs</li> <li>Evaluate digital solutions for cognitive assessment for early diagnosis</li> <li>Investigate imaging biomarkers (e.g. MRI mediotemporal lobe atrophy) as predictors of deterioration</li> </ul>	
Patient population	Patients from first presentation to health services and diagnosis	
Enrollment	TBC	
Study duration	5 years TBC	
Locations	AURORA-AD serves as an umbrella protocol. Will run across Europe with ca. 30 EADC sites + Others TBC	

Example of sub-study proposal being scoped



### A Pivotal Moment for a Unified Approach

- InRAD is a foundation to overcome fragmentation, building a sustainable data collection and collaboration platform
- We defined a Minimum Data Set (MDS) and Extended Data Set (EDS), ensuring standardised, high-quality data collection across AD registries<sup>1</sup>
- We developed a data dictionary and common data model, providing a blueprint for structured and harmonised data capture, enabling seamless integration across diverse healthcare systems
- The registry build is underway the foundation is set, and we are preparing to launch the registry:
  - Pilot starting in November 2025
  - Wider international roll out from January 2026
  - Natural History study protocol in development
- Joining InRAD means making a bigger impact than any single centre could alone.
  - The unified, longitudinal data that is shared will drive faster insights and better treatments – directly benefiting patients and the field of Alzheimer's disease at large.
- Learn More & Shape the Future of AD Care
- ★ Visit our poster POS17-33 tomorrow 8th October 10:00-15:45











## Thank you! Questions?