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Supplementary Table 1.

Data sources available to ROADMAP

<b>ROADMAP Level 1 – Consortium Partner Data Access<sup>a</sup></b>			
<b>Country</b>	<b>Data source</b>	<b>Number of patients</b>	<b>Setting</b>
Denmark	Aarhus University Hospital database	2.3 million	Hospital
	Copenhagen database	2.4 million	Hospital
France	Memento	1,000	Memory clinic
Netherlands	IPCI	2 million	Primary care
	Amsterdam dementia cohort	4,000	Memory clinic
	Parelsnoer clinical cohort	1,000	National memory clinic
	ACTIFCare cohort	400	Home living
	Learn cohort	300	Memory clinic
Spain	SIDIAP	5.8 million	Primary care
	ReDeGi register	6,000	Hospital
Sweden	Gothenburg population study H70	8,200	Population cohorts
	Prospect Population Study of Women, in Gothenburg	1,467	Population cohorts
	SveDem	63,160	Population cohorts
UK	Cygnus care cohort	500	Memory clinic
Multi-country	Clinical trial placebo data – Eli Lilly	2,000	Clinical trial data

<b>ROADMAP Level 2 + 3 – Consortium Partner Facilitated Access<sup>a</sup></b>			
<b>Country</b>	<b>Data source</b>	<b>Number of patients</b>	<b>Setting</b>
Denmark	National patient registers	5.6 million	Administrative

Sweden	LISA register	10 million	Insurance data
	National patient registers	10 million	Hospital
	QRegPV	10 million	Primary care
	Social services register	10 million	Administrative
	Tax agency register	10 million	Administrative
	National healthcare register	10 million	Administrative
	Military service register	7 million	Administrative
	VEGA healthcare register	1.6 million	Regional register
UK	NHS Digital	56 million	Hospital
	eDRIS Scotland	5.7 million	National linkage
	CPRD	5 million	Primary care
	SAIL	3 million	National linkage
	UK CRIS	3 million	Mental health
	Dementias Platform UK, including: <sup>b</sup>	2 million	Population/patient cohorts
	Million Women Study	1.3 million	Population cohort
UK Biobank	500,000	Population cohort	
Multi-country	EMIF-AD	3,500	Population/patient cohorts
	EMIF EHR	40 million	Primary care/hospital
	CAMD	6,500	Clinical trial placebo data

<sup>a</sup>ROADMAP had three levels of data access: 1. Direct access, where the data custodian was a ROADMAP consortium partner; 2. Accelerated/facilitated access, where a ROADMAP consortium partner was affiliated with, or an expert in access processes for, a data source; and 3. A standard application process for use by any research requestor.

<sup>b</sup>The remaining 200,000 patients are accounted for through other cohorts, some of which are not population cohorts but disease based. ACTIFCare, ACcess to Timely Formal Care; CAMD, Coalition Against Major Diseases; CPRD, Clinical Practice Research Datalink; CRIS, Clinical Record Interactive Search system; eDRIS, electronic Data Research and Innovation Service; EHR, electronic health record; EMIF-AD,

European Medical Information Framework-Alzheimer's Disease project; IPCI, Integrated Primary Care Information database; LISA, Longitudinal integration database for health insurance and labour market studies; NHS, National Health Service; QRegPV, Primary care in the region of Västra Götaland register; ReDeGi, Registry of Dementias of Girona; SAIL, Secure Anonymised Information Linkage Databank; SIDIAP, Information System for Research in Primary Care; SveDem, Swedish Dementia Registry; VEGA, Western Swedish Health Care Register.