FAMILY

"Running in the FAMILY – Understanding and predicting the intergenerational transmission of mental illness"

Grant Agreement number: 101057529

Deliverable 5.9

Report on the status of posting results clinical study POBI-EMC

Workpackage:	WP 5
Task:	Task 5.1
Due Date:	30th September 2025 (M36)
Actual Submission Date:	30th September 2025 (M36)
Project Dates:	Project Start Date: October 01, 2022 Project Duration: 60 months
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Project funded by the European Commission within HORIZON-HLTH-2021-STAYHLTH-01-02: Towards a molecular and neurobiological understanding of mental health and mental illness for the benefit of citizens and patients'		
Dissemination Level		
PU	Public — fully open (automatically posted online)	X
SEN	Sensitive — limited under the conditions of the Grant Agreement	

Document History:

Version	Date	Changes	From	Review
V1.0	05/09/2025	Draft version	Neeltje van Haren	Juliane Dittrich
V1.0	30/09/2025	Final version	Neeltje van Haren	

Open Issues - not applicable

SUMMARY

According to the definition of Deliverable 5.9 this document provides an overview of the status of posting results for clinical study POBI-EMS, carried out at Erasmus University Medical Center, Rotterdam, Netherlands.

TABLE OF CONTENTS

1 SUMMARY OF POSTING STUDY RESULTS FOR CLINICAL STUDY BRIDGE-POBI

The recruitment for the four clinical studies is scheduled to be finalised in months 36 of the project (Sept 2025), after which another 6 months is needed for processing of MRI images and quality checking of all the data. The data should then be available for analyses.

Our cohorts are not conducted as clinical trials; we have observational cohorts. In the Netherlands, there is no registry base to record observational studies.

1.1 Recruitment progress

At the Erasmus MC, Rotterdam, we recruited both parents and offspring, as we no longer had access to the scanner where the first two waves of the offspring were scanned on.

The recruitment status per Sept 5 2025 is as follows:

Parents		
Available for the clinical study	**267**	**100%**
Included	69	25.8%
Scheduled	0	0%
To be included	16	6.0%
Excluded	171	64.0%
- No/incorrect contact info	26	(9.7%)
- Refusing participation	116	(43.5%)
- Not interested in participating	68 (58.6%)	
- Research location too far	19 (16.4%)	
- Participation is too intensive	25 (21.6%)	
- Scared of going in the MRI-scanner	4 (3.5%)	
- Excluded	29	(10.86%)
- Contraindication (metal objects in body, pacemaker)	10 (34.5%)	
- Structural neurological abnormalities	2 (6.9%)	
- Closed head injury	1 (3.4%)	
- Neurological condition	1 (3.4%)	
- Admitted to healthcare institution	1 (3.4%)	
- Current psychosis	1 (3.4%)	
- Claustrophobia	2 (6.9%)	
- Other*	12 (41.4%)	
Passed away	11	4.1%

*e.g., no biological parent in study, only foster parent; no contact family

Offspring		
Available for the clinical study	**231**	**100%**
Included	84	36.4%
Scheduled	3	1.3%
To be recruited	19	8.2%
Excluded	123	53.2%
- No/incorrect contact info	14	(6.1%)
- Refusing participation	81	(35.1%)
- Not interested in participating	48 (59.3%)	
- Research location too far	12 (14.8%)	
- Participation is too intensive	21 (25.9%)	
- Scared of going in the MRI-scanner	0 (0.0%)	
- Excluded	28	(12.1%)
- Contraindication (metal objects in body, pacemaker)	8 (28.6%)	
- IQ<70	1 (3.6%)	
- Other*	19 (67.9%)	
Passed away	2	0.9%

* Exclusion during previous wave

In the next months, we will schedule 29 participants with whom we are in contact and who agreed to participate. Another, 6 participants will be contacted as we were not yet able to reach them. We will embark on the postprocessing of brain scans and quality checking of the collected data. Recruitment ends April 1, 2026, and quality checking will also be done by then.

1.2 Conclusion

The table below shows the overview of the recruitment status of the 4 clinical cohorts. In the final periodic report, we will be able to report results of the planned tasks.

	BASYS-Barcelona	BASYS-Madrid	BRIDGE-Rotterdam	Lausanne-Geneva cohort
Total to be recruited	316	254*	498	3519
Included	194	131	153	414
Excluded for various reasons	107**	120**	307**	3105***
To be recruited (%)	15 (4.75%)	3 (0.01%)	38 (7.63%)	0

*Including previously non-included offspring **Excluded: e.g., contra-indication MRI, no current contact details, passed away. Refused: e.g., travel distance, no time or interest. ***The high number is expected and largely attributable to our recruitment of population-based controls and not to the families of patients with mood disorders. Indeed, we have recruited a very large number of controls with offspring and partially with spouses who had psychopathological investigations, but it was difficult to motivate them to come to a physical investigation with blood probes and MRI exams. In addition, many participants met exclusionary criteria for MRI.

ACKNOWLEDGEMENT

Funded by the European Union, the Swiss State Secretariat for Education, Research and Innovation (SERI) and the UK Research and Innovation (UKRI) under the UK government's Horizon Europe funding guarantee'. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union, or the European Health and Digital Executive Agency (HADEA), the SERI or the UK Research and Innovation (UKRI). Neither the European Union nor the granting authorities can be held responsible for them.