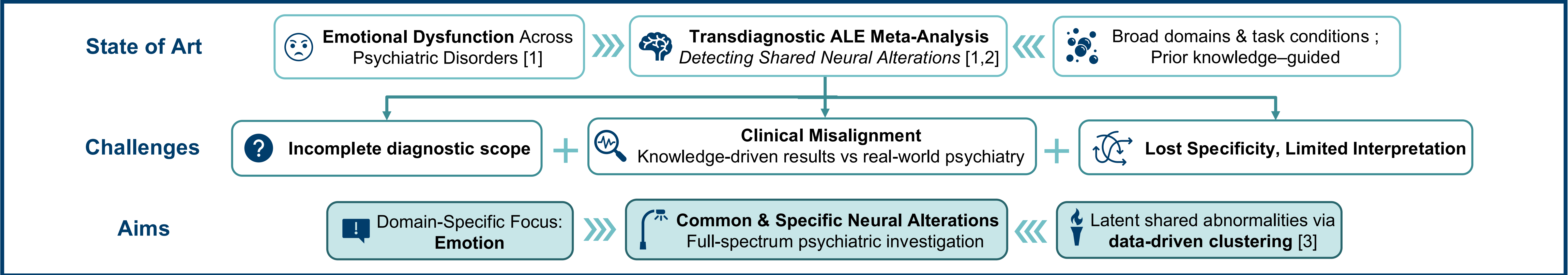
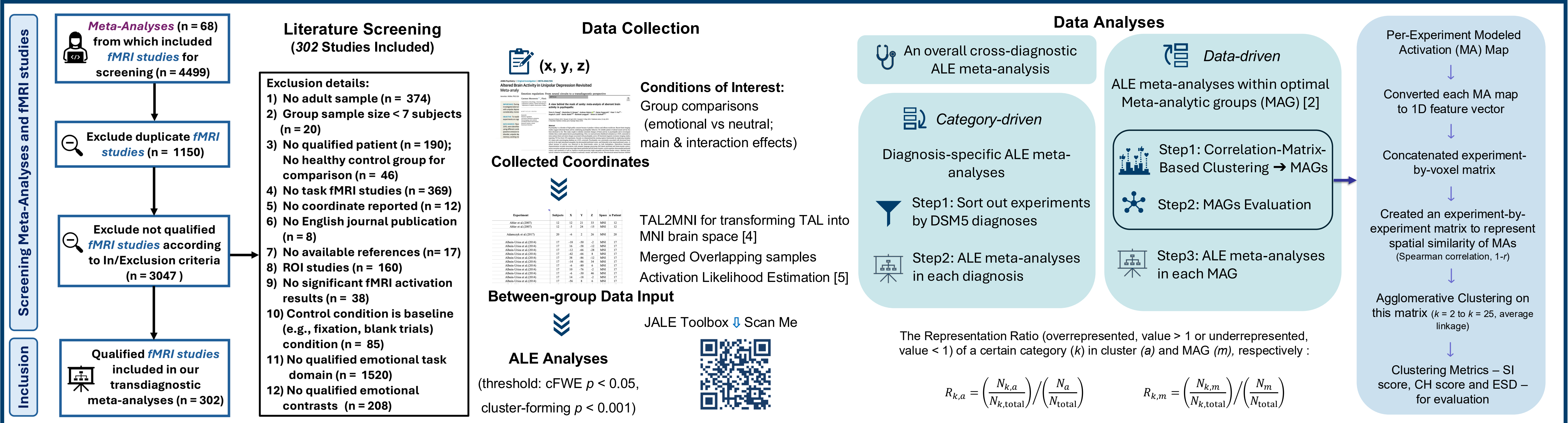




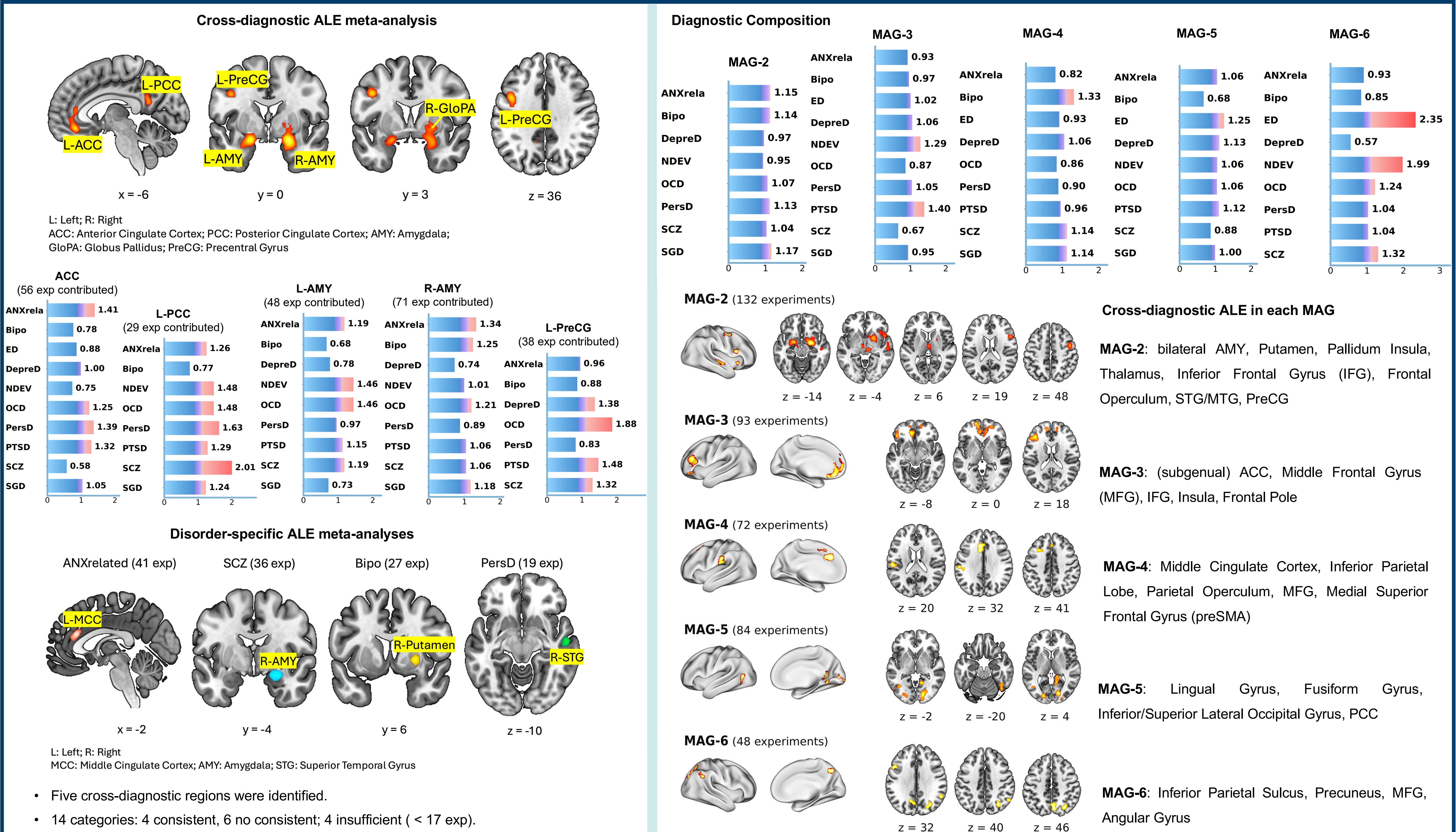
Introduction



Methods



Results



Discussion

➤ Main contributors to cross-diagnostic regions: ANXrela, OCD, PTSD
 ➤ Lower contribution: Eating & Bipolar, Low emotion-related disorders
 ➤ DepresD-specific alteration: PreCG

➤ Minimal overlap between cross-diagnostic and disorder-specific ALE regions
 ➤ Interpret with caution: Limited dataset size

➤ ALE-consistent, latent activation patterns identified
 ➤ MAG-2/3/4: balanced diagnostic clustering, reflecting transdiagnostic pattern
 ➤ MAG-5/6: more diagnosis-specific profiles

Implication: Shared stress-related processes may drive common neural deficits
Implication: Inconsistent findings may reflect clinical heterogeneity + experimental differences
Implication: MAG networks indicate distinct neural substrates of emotional dysfunction

[1]. McTeague, L. M., Rosenberg, B. M., Lopez, J. W., Carreon, D. M., Huemer, J., Jiang, Y., Chick, C. F., Eickhoff, S. B., & Etkin, A. (2020). Identification of Common Neural Circuit Disruptions in Emotional Processing Across Psychiatric Disorders. *American Journal of Psychiatry*, 177(5), 411-421. <https://doi.org/10.1176/appi.ajp.2019.18111271>. [2]. Boisvert, M., Dugré, J. R., & Potvin, S. (2024). Patterns of abnormal activations in severe mental disorders a transdiagnostic data-driven meta-analysis of task-based fMRI studies. *Psychological Medicine*, 1-12. <https://doi.org/10.1017/s003329172400165x>. [3]. Liu, X., Zhu, X. H., Qiu, P., & Chen, W. (2012). A correlation-matrix-based hierarchical clustering method for functional connectivity analysis. *J Neurosci Methods*, 211(1), 94-102. <https://doi.org/10.1016/j.jneumeth.2012.08.016>. [4]. Lancaster JL, Tordesillas-Gutierrez D, Martinez M, Salinas F, Evans A, Zilles K, Mazziotta JC, Fox PT. Bias between MNI and Talairach coordinates analyzed using the ICBM-152 brain template. *Hum Brain Mapp*. 2007;28:1194-1205. [5]. Eickhoff, S. B., Nichols, T. E., Laird, A. R., Hoffstaedter, F., Amunts, K., Fox, P. T., Bzdok, D., & Eickhoff, C. R. (2016). Behavior, sensitivity, and power of activation likelihood estimation characterized by massive empirical simulation. *Neuroimage*, 137, 70-85. <https://doi.org/10.1016/j.neuroimage.2016.04.072>