

Understanding Antenatal Depression in High-Risk Obstetrics – Collaborative Care as a Solution

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Background
 High-risk pregnancies are associated with a higher risk of antenatal and postpartum depression.¹ ACOG recommends early perinatal depression screening, and SSRIs as first-line pharmacotherapy with follow-up using validated screening tools.² Without supportive systems in place, high quality behavioral health care is difficult to achieve in high-risk obstetrics clinics.

Objective
 To characterize depression management during high-risk pregnancies to inform policy recommendations.

Methods
 See Figure 2.

Results
 The study identified a high prevalence of pre-existing mental health diagnoses (n=64, 82.1%), including pregnancy-related mood disorders (n=21, 26.9%). Most initial screenings were in the first trimester (n=61, 78.2%). SSRIs were started in 12 (15.4%) pregnancies; while all patients received general follow-up care, most did not have a validated screening before starting medication (n=7, 58.3%) or during follow-up (n=11, 91.7%).

Discussion
 Patients who screened positive for depression during pregnancy experienced additional factors associated with increased risk of developing depression. Current practices suggest gaps in the standard of care outlined by ACOG.

The collaborative care model should be considered as a solution to address gaps in utilization of validated screening tools to identify and manage depression during pregnancy.

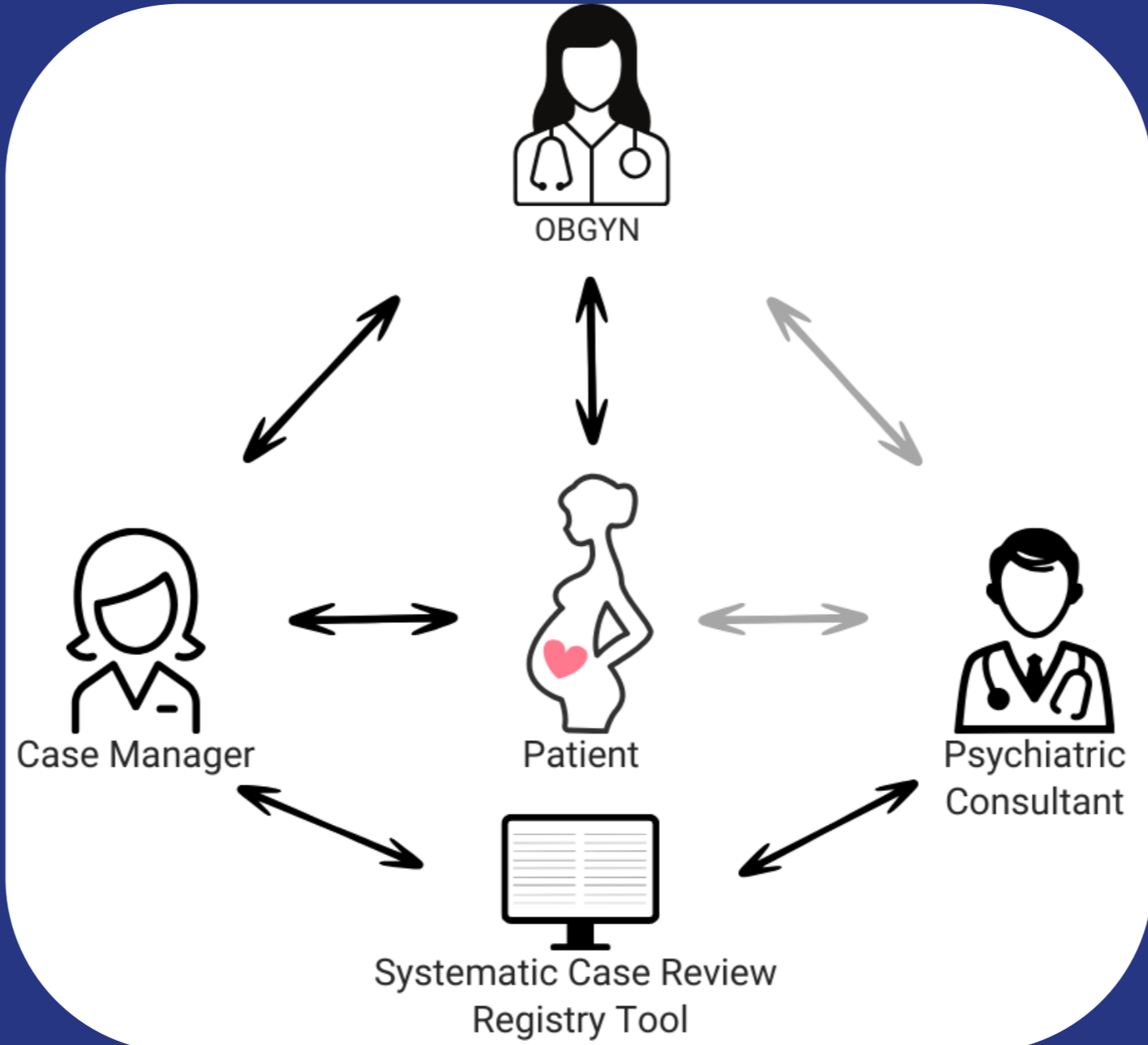


Figure 1: Example schema of a perinatal collaborative care model.

Additional Figures

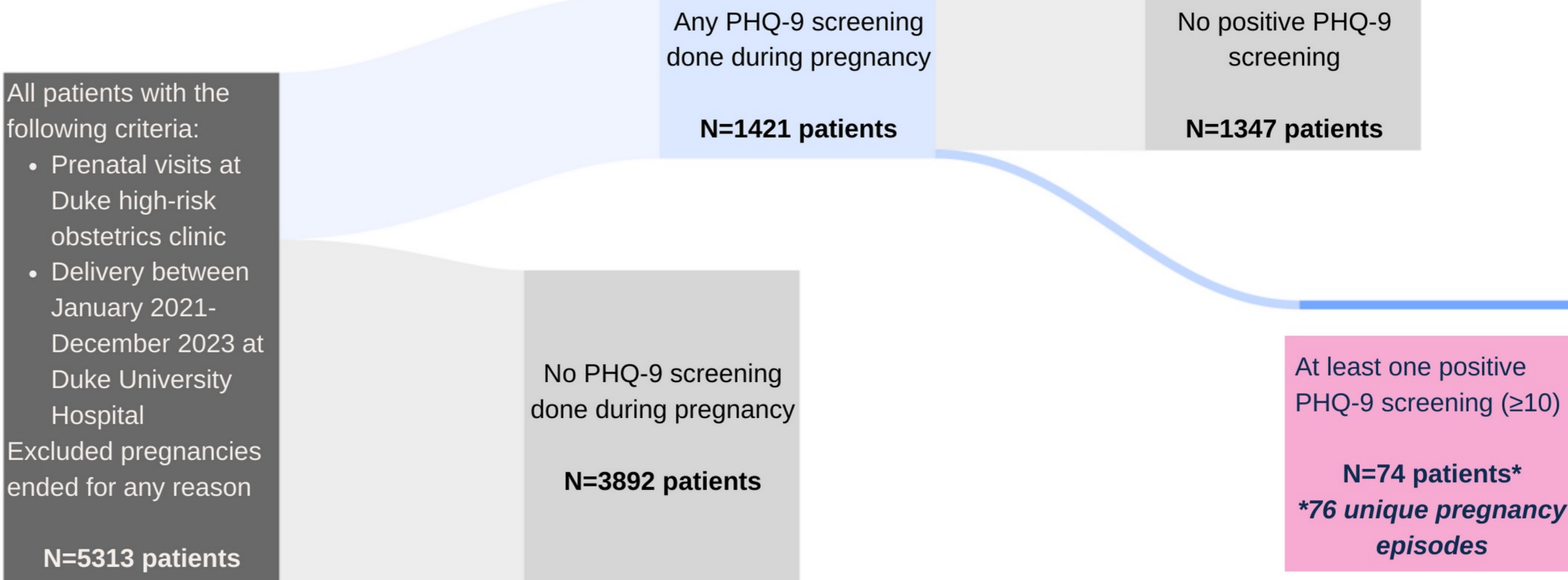


Figure 2: Sankey diagram depicting methodology, including patient inclusion and exclusion criteria.

Cohort patient characteristics included...

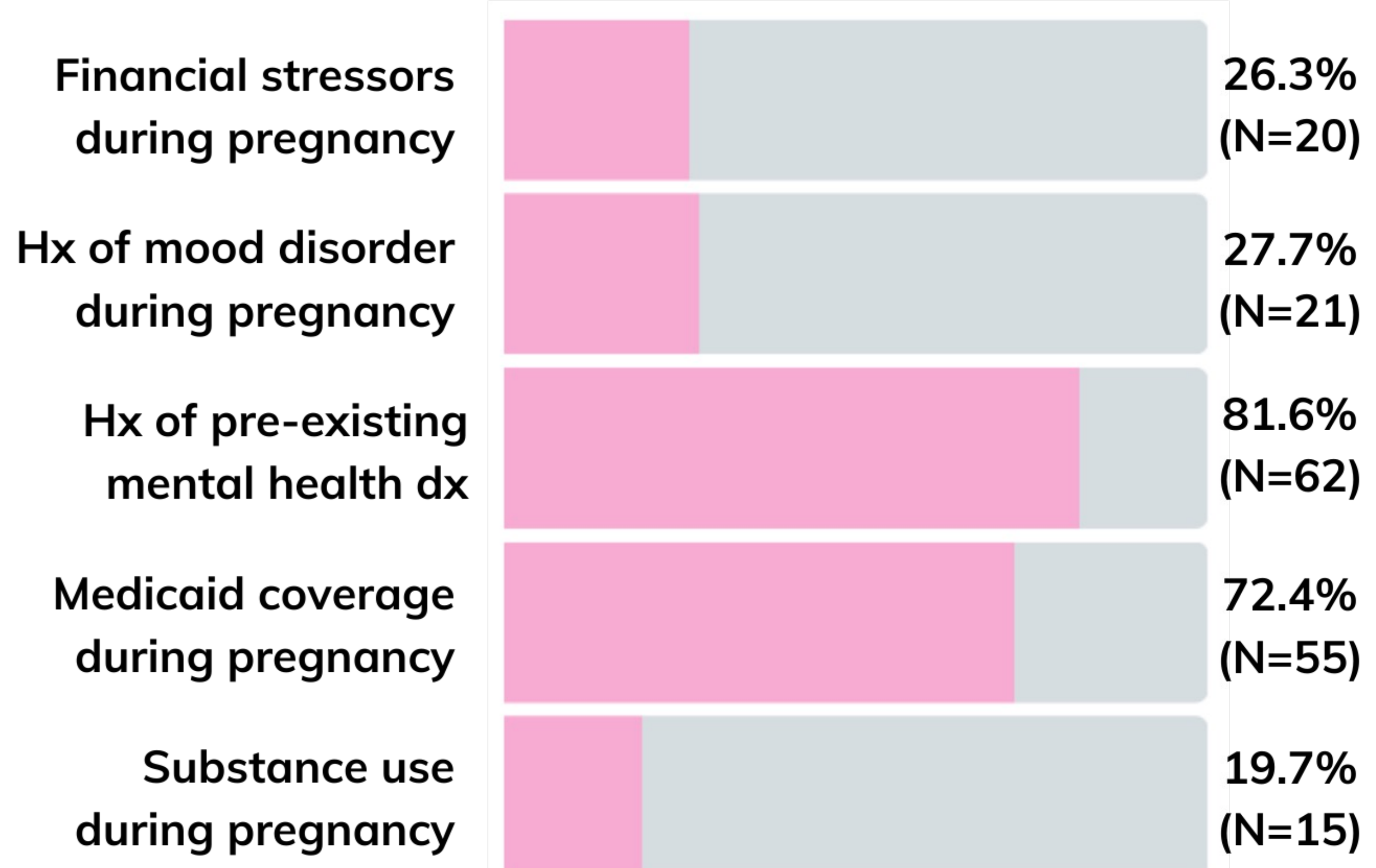


Figure 3: Bar chart describing patient cohort characteristics.

Out of 11 new SSRI medication starts by MFM during pregnancy...

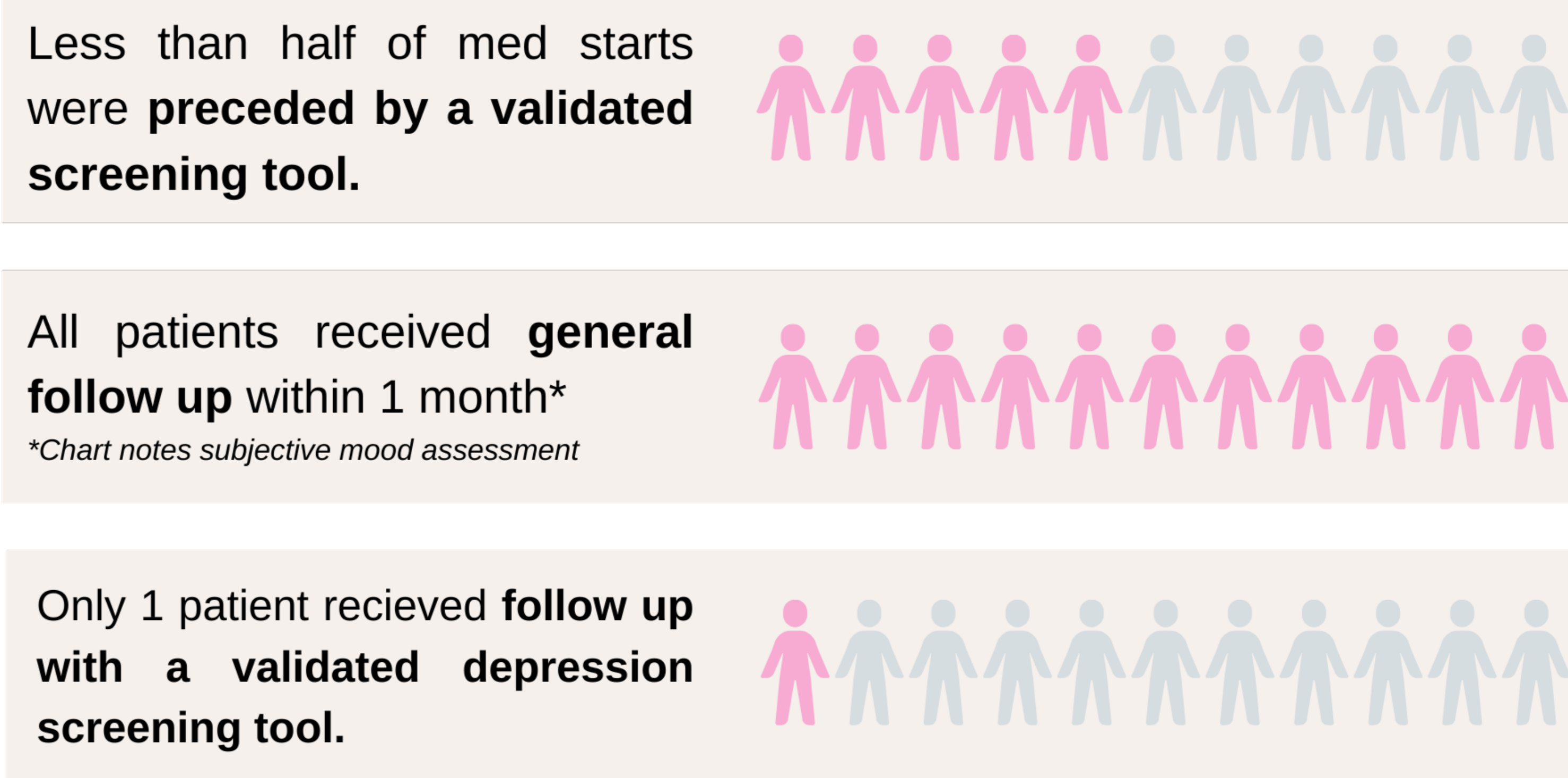


Figure 4: Pictogram of medication prescribing practices by high-risk obstetrics.

References
 1. Tsakiridis, I., Bousi, V., Dagklis, T., Sardeli, C., Nikolopoulou, V., & Papazisis, G. (2019). Epidemiology of antenatal depression among women with high-risk pregnancies due to obstetric complications: a scoping review. Archives of gynecology and obstetrics, 300(4), 849–859. <https://doi.org/10.1007/s00404-019-05270-1>
 2. Screening and diagnosis of mental health conditions during pregnancy and postpartum. Clinical Practice Guideline No. 4. American College of Obstetricians and Gynecologists. Obstet Gynecol 2023; 141: 1232–61. doi: 10.1097/AOG.0000000000005200