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**Prescription Opioids Genetic Study (POGS) an innovative instrument for studying the genetic basis traits relevant to opioid use disorder.**

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Opioid use disorder (OUD) is a devastating disease for which genetic predisposition is a known risk factor. Recent work by our group has shown that using opioids “not as prescribed” is a heritable behavior that is strongly genetically correlated with OUD even when measured in populations with low rates of OUD. To follow up on these results, we have developed a more in depth questionnaire that explores risk use of opioids as well as subjective responses and sensitivity to the analgesic effects of opioids as well as use of other drugs, other psychiatric symptoms and disorders, measures of impulsivity and other putatively correlated traits. The 97-item questionnaire has already been deployed for use in both community based and patient cohorts. Preliminary phenotypic analysis identifies both expected and unexpected correlations. Future work will examine the genetic basis of these phenotypes in hundreds of thousands of individuals.