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Longitudinal study of prediction of myopia

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Project Description:

Myopia is one of the most prevalent eye diseases and a worldwide public health burden with its increasing prevalence, particularly in developed countries. It is especially the case for Singapore where up to 83% of Singaporean teenagers have myopia and 15% have high myopia with potentially blinding ocular complications, including myopic macular degeneration and retinal detachment. Given together, analysis regarding prediction of myopia as well as evaluation of its risk factors which is useful for identifying vulnerable population and slowing the progression are of great importance. The aims of this project are to determine the long-term changes in myopia, the related influencing factors, and to predict the risks of myopia for participants within SCORM and GUSTO cohorts.