1163-92-817　　　　　**Glenn F. Webb*** (`glenn.f.webb@vanderbilt.edu`), Mathematics Department, Vanderbilt University, Nashville, TN 37240. *Predicting the Development of COVID-19 Epidemics from Reported Case Data.*

Mathematical models are developed to provide predictions for COVID-19 pandemics. The models incorporate asymptomatic and symptomatic transmission. The models incorporate reported and unreported cases. Reported case data is used to parameterise the models. The models are used to project the epidemic forward with varying public health measures. (Received September 13, 2020)