The use of Vitamin D at a Population Level Against COVID-19

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Key Findings:1) There is no evidence linking low vitamin D to COVID-19
2) Vitamin D should not be promoted as being protective against COVID-19

- Vitamin D is currently at the centre of the discussion on the use of dietapylements against COVID9. Although low vitamin D is correlated to COVID9, the relationship is not one of causation.
- Using genetic information we know of a number of common mutations that predispose people to naturally higher vitamin D levels. Each of threst eations has a role in the metabolism of vitamin D in our bodies and heart disease all correlated with COVID9 randomly occur relation to our vitamin D causing genes.
- Genetic mutations separate the population or predisposition to higher itamin Dlevels If vitamin D is able to prevent moderate, COVID19, those carrying the mutations in their genome will be less likely to ave COVID19 or beseverely affected from it. The same idea applies for genetic mutations predisposing people to have very low levels of vita Dindescribed as vitamin D deficiency
- Using genetic mutations associated with vitamin D levels measured in the blood of more than 120,00 people and with vitamin D deficiency measured in more than 440,000 people, we find that these mutations are neither over or under represented in those that tested positive for the virus Vs those testing negative, or those that tested positive and required hospitalisation Vs tho the tested positive and id not need medical assistance Our results suggest the increasing vitamin D levels, or decreasing vitamin D deficiency will not change susceptibility to the virus or the severity OOVD19.1

erroneously assumeasures, thus provided the Vitamin D should