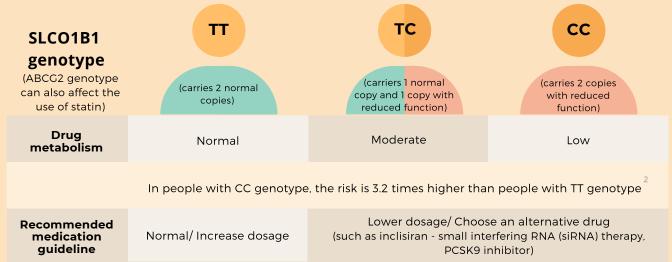
## STATIN SAFE 他 汀・安 心 測

## Help doctors determine the most precise treatment. Reduce adverse drug reactions in patients.

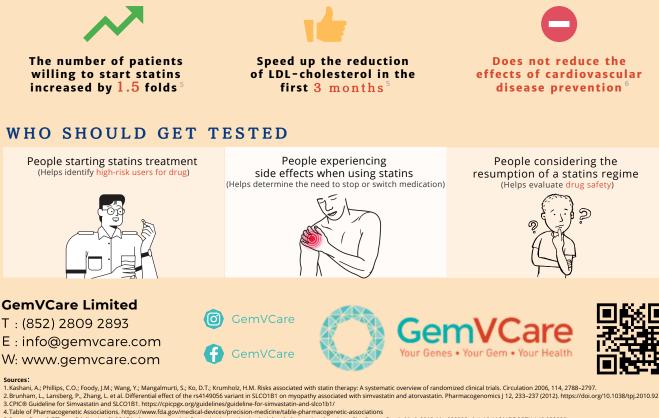
- Myalgia is the most common side effect of statin therapy<sup>1</sup>, and severe cases can cause rhabdomyolysis
- Due to concerns of side effects, patients may avoid initiation of medication, reduce the dosage and frequency by themselves or even terminate drug treatment
- Due to patient non-compliance, the optimal treatment outcome is not achieved, which could increase the risk of cardiovascular disease and even death
- About  $1\,3\,\%$  of the Asian population carries variants of specific genes that affect drug metabolism

## The effect of genotype on statin tolerance and medication\*:



\* According to The Clinical Pharmacogenetics Implementation Consortium and Food and Drug Administration guidelines 3.4

## Studies indicate the benefits of using genetic testing to guide the use of statin:



A Table of Pharmacogenetic Associations. https://www.fida.gov/medica-devices/precision-medicine/table-pharmacogenetic-associations 5.Peyser B, et al. Effects of delivering SLCO1B1 pharmacogenetic information in randomized trial and observational settings. Circ Genom Precis Med. 2018;11:e002228. doi: 10.1161/CIRCGEN.118.002228 6.Vassy JL, Gaziano JM, Green RC, et al. Effect of Pharmacogenetic resting for Statin Myopathy Risk vs Usual Care on Blood Cholesteroi: A Randomized Clinical Trial. JAMA Netw Open. 2020 Dec 1;3(12):e2027092. doi: 10.1001/jamanetworkopen.2020.27092. PMID: 33270123; PMCID: PMC7716196. Please refer to the company website for the disclaimer www.gemvcare.com