

**Biostatistics statement**

Title: Prevalence, risk factors, 7-year follow-up trajectory of depression in middle-aged and elderly patients with metabolic syndrome in mainland China: evidence from China Health and Retirement Longitudinal Study (CHARLS)

MS number: 89844

The statistical methods of this study were reviewed by a member of the Biostatistics Service from the Hongchuang Medical Technology Co., Ltd. in Xi'an.

Name: *Annalise Zhang*

Signature: *Annalise Zhang*

Contact information: E-mail: [we262880@163.com](mailto:we262880@163.com)