

Investigations of the distribution characteristics of Chinese [language function](#) in the [cortex](#) are limited to the application of [Functional magnetic resonance imaging](#) in China. Chinese and English are significantly different languages. Chinese involves the characteristics of shape, meaning and grammar, and learning it is a comprehensive study involving calligraphy and pronunciation. English, however, involves phonetic learning, and a focus on speaking. Thus, there may be some differences in the language areas between Chinese- and English-speaking populations. Tan et al of Hong Kong University found that native Chinese speakers and native English speakers exhibited differences in anatomical structures; the left inferior frontal gyrus, middle posterior frontal gyrus and left anteroventral temporal lobe of native Chinese speakers were relatively larger than those of native English speakers ¹⁾

¹⁾

Tan LH, Spinks JA, Eden GF, Perfetti CA, Siok WT. Reading depends on writing, in Chinese. Proc Natl Acad Sci USA. 2005;102:8781-8785. doi: 10.1073/pnas.0503523102.

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