

Hip osteoarthritis prevalence is lower in Chinese compared to White individuals

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Osteoarthritis and Cartilage
Editor's Choice **Infographic**

Lower hip osteoarthritis (HOA) prevalences have been reported in Asian compared to Caucasian individuals. However, the causes of these differences are unknown. Therefore, this study examined close to **45,000 participants** from the UK Biobank & Shanghai Changfeng cohorts and found that hip morphology differences between Chinese and Caucasian individuals might be a contributor to ethnic differences in the prevalence of radiographic HOA (rHOA).

Shanghai Changfeng Cohort

Chinese



RHOA Prevalence

2.2%	♀	13.1%
12.0%	♂	25.1%

Cam Morphology Prevalence

6.3%	♂	16.5%
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Femoral Head Size

Wider	Narrower
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DFH & HAL

Smaller	Larger
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DFH:FNW Ratio

Larger	Smaller
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UK Biobank Cohort

Caucasian



DFH, diameter of femoral head
HAL, hip axis length
FNW, femoral neck width

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