

Identifying characteristics of adults absent from a metabolic syndrome checkup in Japan using CHAID dendrograms and insurance claim data

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概要

特定健診の未受診者にはどんなタイプの人が多いのか、過去の受診歴や性別等を基に分析しグルーピング（Chi-squared automatic interaction detectionという方法を使用）してみました。その結果、「前年度に健診を受診せずにおり、高血圧・糖尿病の診断・治療を受けずに過ごしている男性」が最も「その年度の特定健診を受診しない」ことが明らかになりました。これに該当する者の約88%が、特定健診を受診していませんでした。この研究では、ある県の過去の国民健康保険のレセプト等のデータを収集・分析しました。

Abstract

We analyzed people's checkup history and attributes like gender and grouped them by their similarities (using a method known as chi-squared automatic interaction detection) in order to determine which groups of people are most likely to have not received specific health checkups. We found that "men who had not received a checkup in the previous year and had not received a diagnosis of or treatment for high blood pressure or diabetes" were most likely to "forego that year's specific health checkup." Approximately 88% of individuals belonging to this group had not received their specific health checkups. This study gathered and analyzed data from national health insurance, including billing data, from a particular prefecture.

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