

# Measurement of Special Access to Home Visit Nursing Services among Japanese Disabled Elderly People: Using GIS and Claim data

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## 概要

訪問看護ステーションが身近な場所にある市町村に住んでいる高齢者（75歳以上）は、そうでない市町村に住んでいる高齢者に比べて、訪問看護を利用しやすいことが明らかになりました。地理情報システム（GIS）を使って、訪問看護ステーションから車で10分以内の場所に住む「訪問看護が身近な人」がどのあたりにどれだけいるか、ということに着目しました。住んでいる場所の地理環境とサービス利用の関係を定量的に示したのがこの研究の特徴です。この研究では、ある県の過去の後期高齢者医療・介護保険のレセプトデータを収集・分析しました。

## Abstract

It has been shown that it is easier for elderly individuals (aged 65-74) who lived in municipalities close to visiting nursing agencies to receive home-visit care than for those who did not. Using a Geographical Information System (GIS), we determined which places were at most 10 minutes by car from a home-visit nursing agency, and how many individuals live in each. A characteristic aspect of this research is the quantitative expression of the relationship between an individual's immediate geographical environment and their use of nursing services. In this study, we gathered and analyzed medical and long-term care insurance billing data for elderly persons in a particular prefecture.

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