Development of disease-based stratified random sampling package for internal medical record audition: Step 1

Abstract

Introduction: Medical record auditing plays a important role in improving the quality of medical records. The disease-based stratified sampling method aims to enhance the efficiency of appropriately selecting records for audition. However, the practical implementation of this sampling technique is complex. To comply with the sampling rule that is regulated by the strategy and planning division required for sampling application.

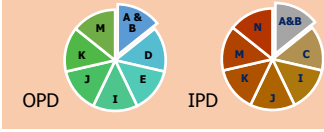
Objective: To develop a disease-based stratified random sampling package

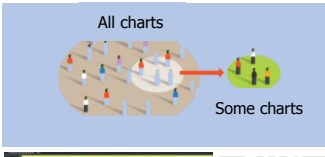
Method: This study utilized Stata, a standard statistical software program, to develop the sampling procedure. A user-written command was specifically created to facilitate disease-based stratified sampling using a standard simple random sampling command.

Result: The developed command was made and accessed on the GitHub platform for broader usability.

Discussion: Utilizing Stata necessitates acquiring a software license. Additionally, the medical record dataset must be cleaned before importing.

Disease-based sampling schematic diagram





Thai version

Recommendation: This code can be a protocol to develop with tkinter, a popular Python-based library.

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