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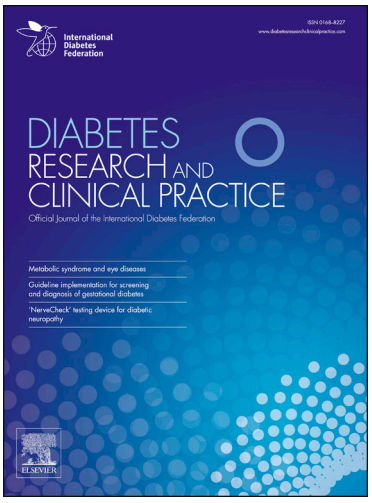

Can administrative health utilisation data provide an accurate diabetes prevalence estimate for a geographical region?

Wing Cheuk Chan, Dean Papaconstantinou, Mildred Lee, Kendra Telfer, Emmanuel Jo, Paul L Drury, Martin Tobias

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Original Research Article

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Key words:

Diabetes Mellitus; prevalence; Health Services utilisation; administrative data; epidemiology; comparative studies

Highlights:

- Administrative health service utilisation data can be used to estimate diabetes prevalence at a population level.
- The study optimises an algorithm to estimate diabetes prevalence using administrative data.
- At an individual level, the use of diabetes-related services may not be a good proxy of a clinical diagnosis of diabetes.
- This study highlights the potential value of a register constructed from both laboratory results and administrative data.

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