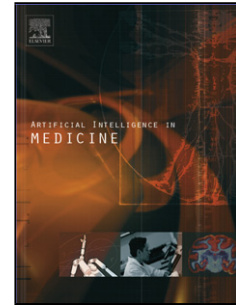


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The evaluation of trustworthiness to identify health insurance fraud in dentistry

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§ Highlights §

- The Economist says 10 percent of health care expenditure (\$272 billion) was wasted on fraudulent claims in 2012.
- Previous studies aimed at other types of fraud are inadequate for solving cross-dentist health insurance fraud.
- We devise a social-network-based risk evaluation to detect fraudulent claims in dentistry.
- By experiment, using real-world or artificial data, our method can effectively identify undetected frauds in the past in dentistry claims data.
- Integrating our method with previous research can provide higher accuracy.

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