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Technology in diabetic patients monitoring in primary health care

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Objectives: To verify the impact on diabetes control after the implementation of the software “Monitoring of chronic conditions” in Primary Health Care (PHC).

Methods: observational study of the database of patients with diabetes registered in the “Monitoring of chronic conditions” software deployed in April 2018 in Primary Health Care in São Paulo city, Brazil. Descriptive analysis of the application data was performed. For moderate measurements over time, select an evolution through mixed model adjustments. To verify the impact of careless deployment, were compared data from two audits performed pre- and post-deployment.

Results: 12,126 diabetic were registered, being 9,101 with diabetes and with also hypertension. In the six months following implementation, there were on average 680 consultations registered per month, August with the highest number of consultations (945). With one year of implementation, recorded blood glucose measurements of 11,997 patients. In total, 2,216 patients had weight and height records, 1,699 with one measurement and 517 with 2 to 7 measurements. And 1,875 patients with cholesterol measurements, being 1,618 with one measurement and 257 with two measurements after the software implementation. The HbA1c control in diabetics before implementation was 62.3% and after implementation 66% ($p = 0.306$).

Biography

Camila Nascimento Monteiro is pharmacist and has completed her PhD and postdoctoral studies from University of São Paulo, Brazil. She is Research at Hospital Israelita Albert Einstein (São Paulo, Brazil), a premier health care service organization. She has published 15 papers in reputed journals and has been serving as article reviewer since 2010, and more than 50 participations in national and international Scientific Events and 25 presentations in conferences.

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