

# Study of Testing Response in Patients with Type 2 Diabetes

<b>Submission date</b> 08/09/2005	<b>Recruitment status</b> No longer recruiting	<input type="checkbox"/> Prospectively registered
<b>Registration date</b> 06/10/2005	<b>Overall study status</b> Completed	<input type="checkbox"/> Protocol
<b>Last Edited</b> 08/11/2022	<b>Condition category</b> Nutritional, Metabolic, Endocrine	<input type="checkbox"/> Statistical analysis plan
		<input checked="" type="checkbox"/> Results
		<input type="checkbox"/> Individual participant data

**Plain English summary of protocol**  
Not provided at time of registration

## Contact information

**Type(s)**  
Scientific

**Contact name**  
Dr Jeffrey Johnson

**Contact details**  
#1200, 10405 Jasper Avenue  
Edmonton  
Canada  
T5J 3N4  
-  
jeff.johnson@ualberta.ca

## Additional identifiers

## Study information

**Scientific Title**  
Study of Testing Response in Patients with Type 2 Diabetes

**Acronym**  
STRIP-Type 2

**Study objectives**

The primary aim of STRIP-Type 2 is to determine the clinical impact of providing free Self-Monitoring of Blood Glucose (SMBG) supplies for people with type 2 diabetes. Secondary aims of STRIP-Type 2 are to determine the social and behavioural correlates of glycaemic control and the health behavioural impact of providing free SMBG supplies for people with type 2 diabetes.

**Primary hypothesis:**

Subjects with type 2 diabetes who receive free diabetes testing strips will have significantly improved HbA1c values as compared to a control group that was not supplied with the free strips.

**Secondary hypotheses:**

Those subjects who receive free diabetes testing strips will have significantly improved self-care activities as compared to a control group that was not supplied with the free strips, and those subjects who receive free diabetes testing strips will have a greater frequency of blood glucose tests as compared to the group that was not supplied with the free strips.

**Ethics approval required**

Old ethics approval format

**Ethics approval(s)**

Not provided at time of registration

**Study design**

Randomised controlled trial

**Primary study design**

Interventional

**Study type(s)**

Quality of life

**Health condition(s) or problem(s) studied**

Type 2 diabetes

**Interventions**

We conducted a randomised controlled trial to evaluate the clinical and behavioural impact of simply providing free SMBG supplies to patients with type 2 diabetes, versus a common health care policy of patients paying out-of-pocket for their testing supplies.

**Intervention Type**

Other

**Phase**

Not Specified

**Primary outcome(s)**

Change in HbA1c over 6 months.

**Key secondary outcome(s)**

Our secondary outcome evaluated SMBG behaviours using the Summary of Diabetes Self-Care Activities (SDSCA). In addition, patients completed a self-administered survey at baseline and 6

month follow-up. The survey contained demographic and self-reported clinical information regarding duration of diabetes, comorbidities and complications due to diabetes, and diabetes education experience. Self-reported physical and mental health status was captured in the RAND-12.

**Completion date**

31/05/2003

## Eligibility

**Key inclusion criteria**

To be included in the study, patients must:

1. Have had type 2 diabetes of at least one year duration
2. Be 30 years of age or older
3. Not be on insulin

Patients that controlled their diabetes by diet alone were eligible if they met the above inclusion criteria.

**Participant type(s)**

Patient

**Healthy volunteers allowed**

No

**Age group**

Adult

**Sex**

All

**Total final enrolment**

262

**Key exclusion criteria**

We excluded pregnant patients and those with gestational diabetes, as well as patients with private insurance coverage for SMBG supplies.

**Date of first enrolment**

01/01/2002

**Date of final enrolment**

31/05/2003

## Locations

**Countries of recruitment**

Canada

**Study participating centre**  
**#1200, 10405 Jasper Avenue**  
Edmonton  
Canada  
T5J 3N4

## Sponsor information

**Organisation**  
Institute of Health Economics (Canada)

**ROR**  
<https://ror.org/03e81x648>

## Funder(s)

**Funder type**  
Industry

**Funder Name**  
Institute of Health Economics (Canada) (ref: 148)

**Funder Name**  
Canadian Diabetes Association (Canada) (ref: 1249)

**Funder Name**  
Aventis Canada (Canada) (ref: 243)

## Results and Publications

**Individual participant data (IPD) sharing plan**  
Not provided at time of registration

**IPD sharing plan summary**  
Not provided at time of registration

**Study outputs**

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
<a href="#">Results article</a>		01/11/2006	08/11/2022	Yes	No
<a href="#">Other publications</a>	Association between insurance coverage for testing supplies and glyceimic control	06/07/2004		Yes	No