

# Canadians on management of Type 1 diabetes

## Diabetes Canada Survey Summary

submitted by Nanos to Diabetes Canada, March 2017  
(Submission 2017-997)





# A significant majority of Canadians support policies and programs in schools for safe management of Type 1 diabetes

Most Canadians support or somewhat support having policies and programs to ensure safe management of type 1 diabetes and believe this to be important or somewhat important. The majority of Canadians also support or somewhat support access to same level of care at school for youth in Canada.

- **Nine in ten Canadians support or somewhat support having policies in schools and daycares to ensure children with Type 1 diabetes can manage their disease** – Nine out of ten Canadians support (76%) or somewhat support (14%) schools and daycares having policies in place to ensure children and youth under 18 years of age with Type 1 diabetes can manage their disease, while three per cent somewhat oppose this and two per cent oppose this. Five per cent are unsure.
- **More than nine in ten Canadians support or somewhat support youth in Canada with diabetes to have access to the same level of care at school** – Over nine out of ten Canadians support (79%) or somewhat support (13%) that provincial governments ensure that all children and youth under 18 years of age in Canada with diabetes have access to the same level of care at school they need to stay safe and healthy. Three per cent somewhat oppose this, two per cent oppose this and four per cent are unsure.
- **Over four out of five Canadians believe that strategies and programs for youth to manage their Type 1 diabetes at school is important or somewhat important** – More than four out of five Canadians feel it is important (69%) or somewhat important (22%) that provincial governments have a strategy and programs so that children and youth under 18 years of age with type 1 diabetes can manage their disease while at school. Three per cent feel this is somewhat unimportant and two per cent feel this is unimportant. Three per cent are unsure.

- **Almost all Canadians are aware that if diabetes is not managed properly it can lead to life threatening emergencies** – Ninety-four per cent of Canadians are aware that if a child's diabetes is not managed properly on a daily basis, it can lead to life threatening emergencies. Six per cent were unaware.
- **Most respondents have no experience with diabetes at school** – Fifteen per cent of respondents said they have had no experience with diabetes at school, followed by four per cent who said they have had experience because they work in a school and three per cent who have a diabetic family member. Seventy-one per cent of respondents were either unsure or provided no answer.

These observations are based on a Nanos RDD dual frame (land- and cell-lines) hybrid telephone and online random survey of 1,000 Canadians, 18 years of age or older, conducted between February 25<sup>th</sup> and 28<sup>th</sup>, 2017 as part of an omnibus survey. Participants were randomly recruited by telephone using live agents and administered a survey online. The margin of error for a random survey of 1,000 Canadians is  $\pm 3.1$  percentage points, 19 times out of 20.

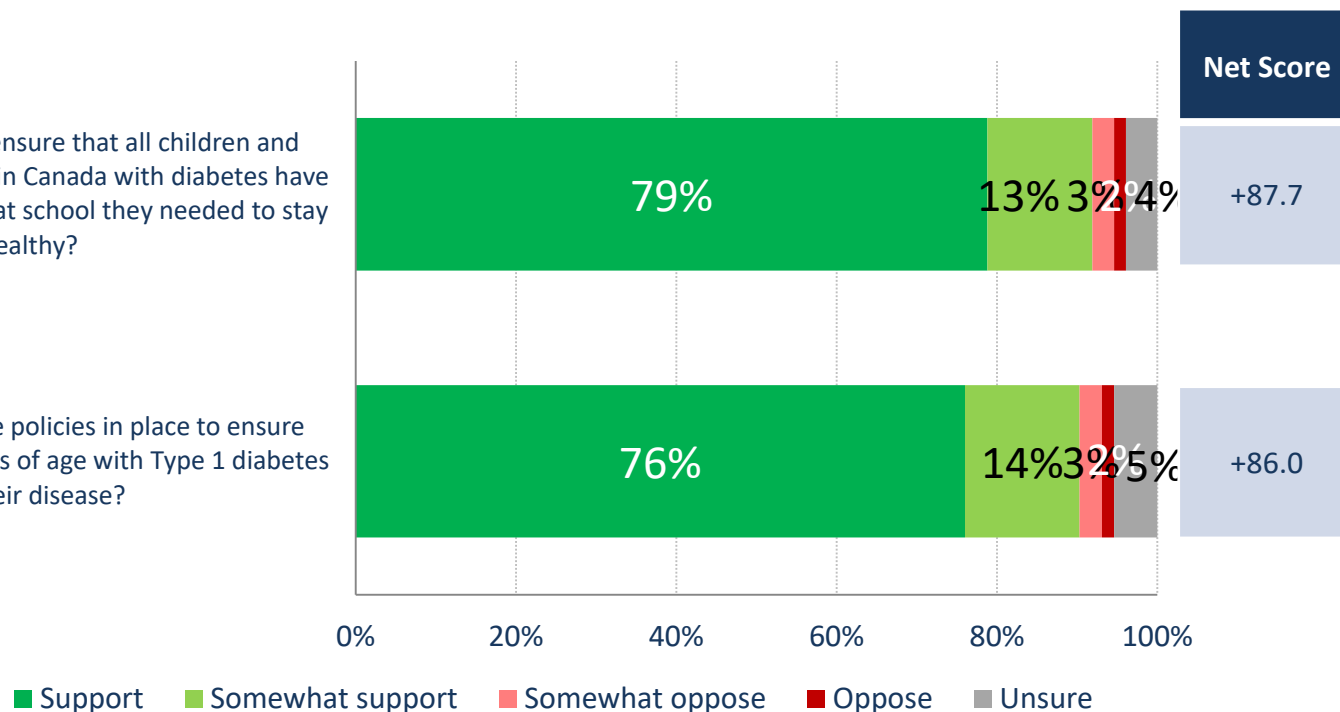
The research was commissioned by Diabetes Canada.

# Support for diabetes initiatives

Source: Nanos Research, RDD dual frame hybrid telephone and online random survey, February 25<sup>th</sup> to 28<sup>th</sup>, 2017, n=1000, accurate 3.1 percentage points plus or minus, 19 times out of 20.

That provincial governments ensure that all children and youth under the 18 years of age in Canada with diabetes have access to the same level of care at school they needed to stay safe and healthy?

That schools and daycares have policies in place to ensure children and youth under 18 years of age with Type 1 diabetes can manage their disease?

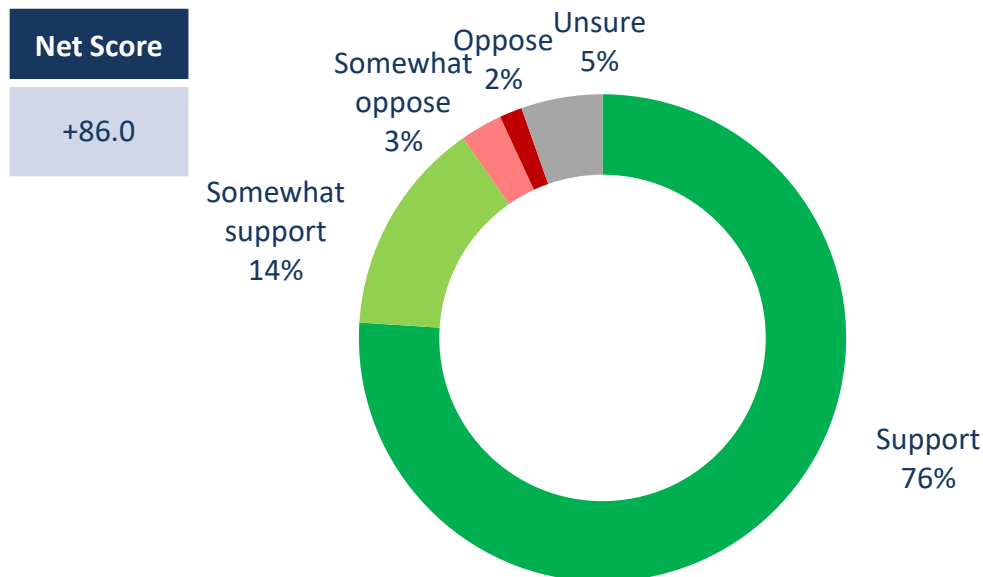


\*Note: Charts may not add up to 100 due to rounding

**QUESTION** – Do you support, somewhat support, somewhat oppose or oppose the following [RANDOMIZE]

# Policies for youth with Type 1 diabetes

Source: Nanos Research, RDD dual frame hybrid telephone and online random survey, February 25<sup>th</sup> to 28<sup>th</sup>, 2017, n=1000, accurate 3.1 percentage points plus or minus, 19 times out of 20.



**\*Note:** Charts may not add up to 100 due to rounding

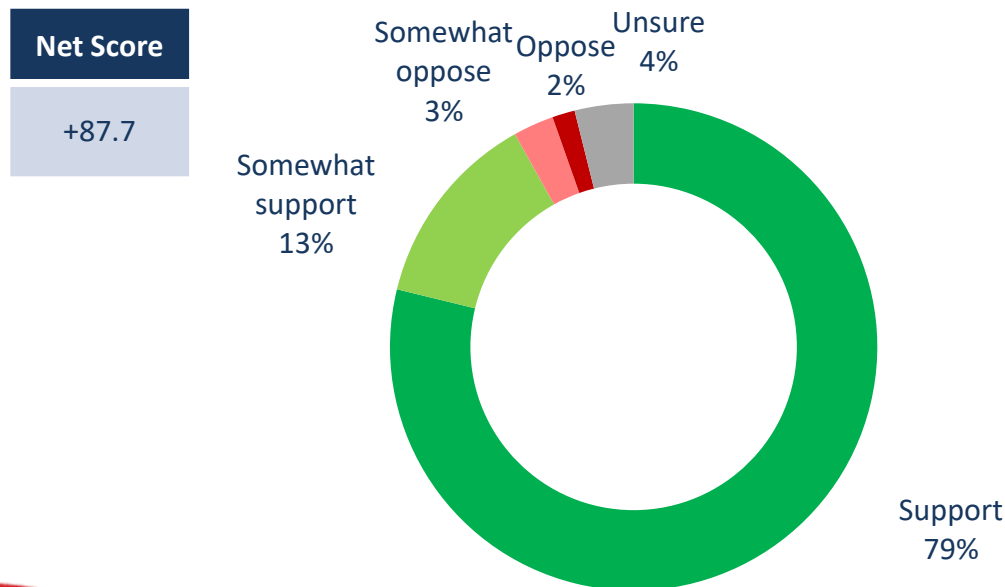
Subgroups	Support/ Somewhat support
Atlantic (n=100)	92.2%
Quebec (n=250)	89.2%
Ontario (n=300)	90.1%
Prairies (n=200)	90.2%
British Columbia (n=150)	91.5%
Male (n=492)	91.7%
Female (n=508)	88.9%
18 to 29 (n=154)	89.6%
30 to 39 (n=156)	88.0%
40 to 49 (n=165)	89.9%
50 to 59 (n=244)	91.7%
60 plus (n=281)	91.4%

**QUESTION** – Do you support, somewhat support, somewhat oppose or oppose the following [RANDOMIZE]

**That schools and daycares have policies in place to ensure children and youth under 18 years of age with Type 1 diabetes can manage their disease?**

# Access to diabetic care in schools

Source: Nanos Research, RDD dual frame hybrid telephone and online random survey, February 25<sup>th</sup> to 28<sup>th</sup>, 2017, n=1000, accurate 3.1 percentage points plus or minus, 19 times out of 20.



Subgroups	Support/ Somewhat support
Atlantic (n=100)	97.2%
Quebec (n=250)	91.2%
Ontario (n=300)	90.1%
Prairies (n=200)	91.4%
British Columbia (n=150)	93.8%
Male (n=492)	91.3%
Female (n=508)	92.5%
18 to 29 (n=154)	92.0%
30 to 39 (n=156)	90.7%
40 to 49 (n=165)	90.9%
50 to 59 (n=244)	93.9%
60 plus (n=281)	91.9%

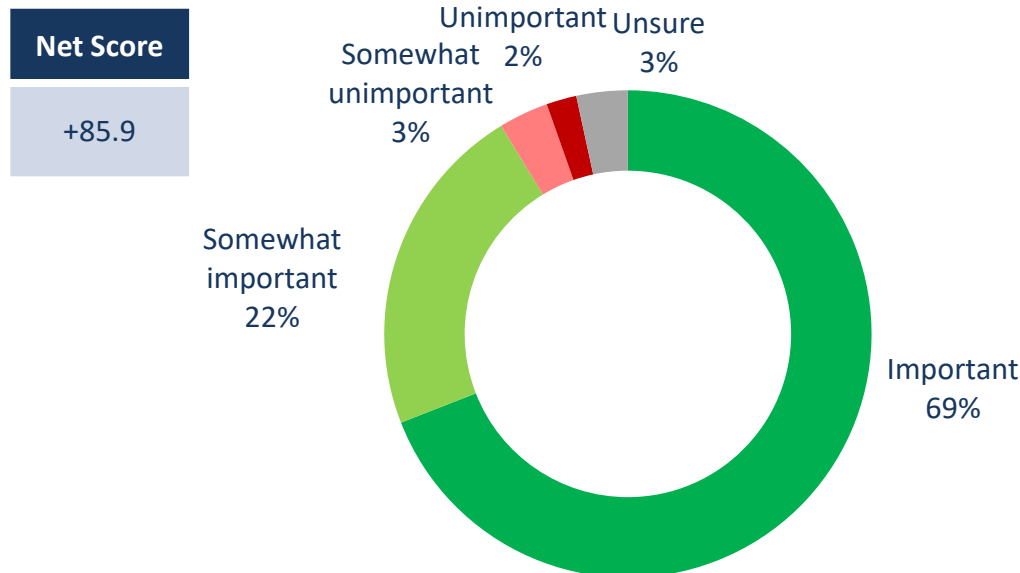
**\*Note: Charts may not add up to 100 due to rounding**

**QUESTION** – Do you support, somewhat support, somewhat oppose or oppose the following [RANDOMIZE]

**That provincial governments ensure that all children and youth under the 18 years of age in Canada with diabetes have access to the same level of care at school they needed to stay safe and healthy?**

# Importance of type 1 diabetes programs in schools

Source: Nanos Research, RDD dual frame hybrid telephone and online random survey, February 25<sup>th</sup> to 28<sup>th</sup>, 2017, n=1000, accurate 3.1 percentage points plus or minus, 19 times out of 20.



Subgroups	Important/ Somewhat important
Atlantic (n=100)	95.9%
Quebec (n=250)	91.3%
Ontario (n=300)	89.0%
Prairies (n=200)	91.2%
British Columbia (n=150)	92.7%
Male (n=492)	91.2%
Female (n=508)	91.2%
18 to 29 (n=154)	89.1%
30 to 39 (n=156)	92.0%
40 to 49 (n=165)	91.3%
50 to 59 (n=244)	92.6%
60 plus (n=281)	91.4%

**\*Note: Charts may not add up to 100 due to rounding**

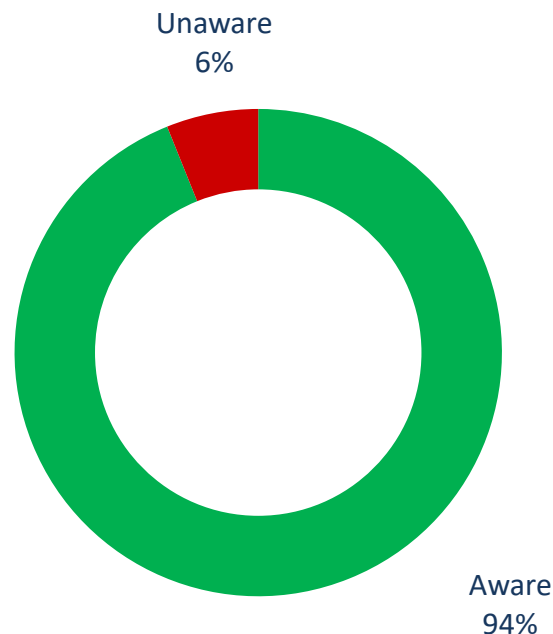
**QUESTION** – Is it important, somewhat important, somewhat unimportant that provincial governments have a strategy and programs to so that children and youth under 18 years of age with Type 1 diabetes can manage their disease while at school?

# Awareness of diabetes as life threatening

Source: Nanos Research, RDD dual frame hybrid telephone and online random survey, February 25<sup>th</sup> to 28<sup>th</sup>, 2017, n=1000, accurate 3.1 percentage points plus or minus, 19 times out of 20.

Net Score

+87.8



Subgroups	Aware
Atlantic (n=100)	93.5%
Quebec (n=250)	90.7%
Ontario (n=300)	94.5%
Prairies (n=200)	94.9%
British Columbia (n=150)	96.6%
Male (n=492)	91.5%
Female (n=508)	96.1%
18 to 29 (n=154)	94.3%
30 to 39 (n=156)	95.3%
40 to 49 (n=165)	93.6%
50 to 59 (n=244)	93.5%
60 plus (n=281)	93.1%

\*Note: Charts may not add up to 100 due to rounding

**QUESTION –** Are you aware or not aware that if a child's diabetes is not managed properly on a daily basis, it can lead to life threatening emergencies?



# Experience with diabetes in schools

Source: Nanos Research, RDD dual frame hybrid telephone and online random survey, February 25<sup>th</sup> to 28<sup>th</sup>, 2017, n=1000, accurate 3.1 percentage points plus or minus, 19 times out of 20.

Top mentions	Frequency (n=1,000)
No experience at school	15.4%
I work in a school and have experience	3.9%
Someone in my family is diabetic	3.1%
A classmate had diabetes	1.4%
Experience but not in a school	1.3%
A friend has/had diabetes	1.0%
Someone I know is diabetic	0.9%
I am diabetic	0.8%
Other	1.5%
Unsure	70.6%

**QUESTION** – If you have had any direct or indirect experiences with diabetes in school, what is your story? [OPEN]



## Methodology

# Methodology

Nanos conducted an RDD dual frame (land- and cell-lines) hybrid telephone and online random survey of 1,000 Canadians, 18 years of age or older, between February 25<sup>th</sup> and 28<sup>th</sup>, 2017 as part of an omnibus survey. Participants were randomly recruited by telephone using live agents and administered a survey online. The results were statistically checked and weighted by age and gender using the latest Census information and the sample is geographically stratified to be representative of Canada.

Individuals were randomly called using random digit dialling with a maximum of five call backs.

The margin of error for a random survey of 1,000 Canadians is  $\pm 3.1$  percentage points, 19 times out of 20.

The research was commissioned by Diabetes Canada.

Note: Charts may not add up to 100 due to rounding.



# Technical Note

Element	Description	Element	Description
Organization who commissioned the research	Diabetes Canada	Weighting of Data	The results were weighted by age and gender using the latest Census information (2014) and the sample is geographically stratified to ensure a distribution across all regions of Canada. See tables for full weighting disclosure
Final Sample Size	1000 Randomly selected individuals.	Screening	Screening ensured potential respondents did not work in the market research industry, in the advertising industry, in the media or a political party prior to administering the survey to ensure the integrity of the data.
Margin of Error	±3.1 percentage points, 19 times out of 20.	Excluded Demographics	Individuals younger than 18 years old; individuals without land or cell lines could not participate.
Mode of Survey	RDD dual frame (land- and cell-lines) hybrid telephone and online omnibus survey	Stratification	By age and gender using the latest Census information (2014) and the sample is geographically stratified to be representative of Canada. Smaller areas such as Atlantic Canada were marginally oversampled to allow for a minimum regional sample.
Sampling Method Base	The sample included both land- and cell-lines RDD (Random Digit Dialed) across Canada.	Estimated Response Rate	15 percent, consistent with industry norms.
Demographics (Captured)	Atlantic Canada, Quebec, Ontario, Prairies, British Columbia; Men and Women; 18 years and older. Six digit postal code was used to validate geography.	Question Order	Question order in the preceding report reflects the order in which they appeared in the original questionnaire.
Fieldwork/Validation	Live interviews with live supervision to validate work as per the MRIA Code of Conduct	Question Content	This was module four of an omnibus survey. The previous modules related to unprompted top national issues of concern, refugees crossing to Canada from the US border, immigration, Canada-US relations and economic policy.
Number of Calls	Maximum of five call backs.	Question Wording	The questions in the preceding report are written exactly as they were asked to individuals.
Time of Calls	Individuals were called between 12-5:30 pm and 6:30-9:30pm local time for the respondent.	Survey Company	Nanos Research
Field Dates	February 25 <sup>th</sup> to 28 <sup>th</sup> , 2017.	Contact	Contact Nanos Research for more information or with any concerns or questions. <a href="http://www.nanosresearch.com">http://www.nanosresearch.com</a> Telephone:(613) 234-4666 ext. Email: info@nanosresearch.com.
Language of Survey	The survey was conducted in both English and French.		

# About Nanos

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## **Nanos Research**

North America Toll-free

1.888.737.5505

[info@nanosresearch.com](mailto:info@nanosresearch.com)



# Tabulations



## 2016-997 – Diabetes Canada – STAT SHEET

Do you support, somewhat support, somewhat oppose or oppose the following [RANDOMIZE]

		Region					Gender		Age					
		Canada 2017-02	Atlantic Canada	Quebec	Ontario	Prairies	British Columbia	Male	Female	18 to 29	30 to 39	40 to 49	50 to 59	60 plus
Question - That schools and daycares have policies in place to ensure children and youth under 18 years of age with Type 1 diabetes can manage their disease?	Total	Unwgt N 1000	100	250	300	200	150	492	508	154	156	165	244	281
		Wgt N 1000	100	250	300	200	150	487	513	197	163	187	189	265
	Support	%	76.0	76.9	70.0	80.9	73.6	74.4	77.4	76.4	73.5	75.0	73.8	79.3
	Somewhat support	%	14.3	15.3	19.2	9.2	16.6	17.3	11.5	13.2	14.5	14.9	17.9	12.1
	Somewhat oppose	%	2.8	2.7	3.5	1.7	3.1	2.6	2.9	3.3	3.8	3.1	2.5	1.7
	Oppose	%	1.5	.9	1.4	1.0	2.3	2.0	2.0	2.1	1.9	.5	2.1	1.1
	Unsure	%	5.4	4.2	5.9	7.2	4.3	4.6	6.2	5.0	6.2	6.5	3.7	5.8

Do you support, somewhat support, somewhat oppose or oppose the following [RANDOMIZE]

		Region					Gender		Age					
		Canada 2017-02	Atlantic Canada	Quebec	Ontario	Prairies	British Columbia	Male	Female	18 to 29	30 to 39	40 to 49	50 to 59	60 plus
Question - That provincial governments ensure that all children and youth under 18 years of age in Canada with diabetes have access to the same level of care at school they needed to stay safe and healthy?	Total	Unwgt N 1000	100	250	300	200	150	492	508	154	156	165	244	281
		Wgt N 1000	100	250	300	200	150	487	513	197	163	187	189	265
	Support	%	78.8	83.1	73.6	79.2	79.1	83.2	76.3	81.1	78.4	78.1	76.2	82.6
	Somewhat support	%	13.1	14.1	17.6	10.9	12.3	10.6	15.0	11.4	13.6	12.6	14.7	9.3
	Somewhat oppose	%	2.7	.7	3.2	2.3	3.8	2.9	2.9	2.6	1.5	2.9	2.4	3.1
	Oppose	%	1.5	.0	1.3	1.3	2.4	1.7	1.3	1.6	2.7	1.2	2.2	.7
	Unsure	%	3.9	2.1	4.3	6.2	2.5	1.5	4.4	3.4	3.8	5.2	4.4	4.4

Nanos conducted an RDD dual frame (land- and cell- lines) [hybrid] telephone [and online] random survey of 1,000 Canadians, 18 years of age or older, between February 25<sup>th</sup> and 28<sup>th</sup>, 2017. The margin of error for a random survey of 1,000 Canadians is  $\pm 3.1$  percentage points, 19 times out of 20.

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## 2016-997 – Diabetes Canada – STAT SHEET

		Region						Gender		Age				
		Canada 2017-02	Atlantic Canada	Quebec	Ontario	Prairies	British Columbia	Male	Female	18 to 29	30 to 39	40 to 49	50 to 59	60 plus
Question - Is it important, somewhat important, somewhat unimportant or unimportant that provincial governments have a strategy and programs so that children and youth under 18 years of age with Type 1 diabetes can manage their disease while at school?	Total	Unwgt N 1000	100	250	300	200	150	492	508	154	156	165	244	281
		Wgt N 1000	100	250	300	200	150	487	513	197	163	187	189	265
	Important	%	69.0	77.7	61.1	69.4	68.3	76.7	66.3	71.6	66.1	63.3	65.9	77.6
	Somewhat important	%	22.2	18.2	30.2	19.6	22.9	16.0	24.9	19.6	23.0	28.7	25.4	13.8
	Somewhat unimportant	%	3.3	1.7	2.9	3.7	4.1	3.4	3.0	3.7	3.7	3.7	2.9	2.7
	Unimportant	%	2.0	.0	2.0	2.4	2.2	2.3	2.7	1.3	3.8	1.0	1.7	1.9
	Unsure	%	3.4	2.4	3.8	5.0	2.5	1.6	3.1	3.8	3.5	3.3	3.0	3.9

		Region						Gender		Age				
		Canada 2017-02	Atlantic Canada	Quebec	Ontario	Prairies	British Columbia	Male	Female	18 to 29	30 to 39	40 to 49	50 to 59	60 plus
Question - Are you aware or not aware that if a child's diabetes is not managed properly on a daily basis, it can lead to life threatening emergencies?	Total	Unwgt N 1000	100	250	300	200	150	492	508	154	156	165	244	281
		Wgt N 1000	100	250	300	200	150	487	513	197	163	187	189	265
	Aware	%	93.9	93.5	90.7	94.5	94.9	96.6	91.5	96.1	94.3	95.3	93.6	93.1
	Unaware	%	6.1	6.5	9.3	5.5	5.1	3.4	8.5	3.9	5.7	4.7	6.4	6.9

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## 2016-997 – Diabetes Canada – STAT SHEET

		Frequency	Percent	Valid Percent	Cumulative Percent
Question - If you have had any direct or indirect experiences with diabetes in school, what is your story?	Unsure/no answer	706	70.6	70.6	70.6
	No experience at school	154	15.4	15.4	86.0
	I work in a school and have experience	39	3.9	3.9	89.9
	Someone in my family is diabetic	31	3.1	3.1	93.1
	Other	15	1.5	1.5	94.6
	A classmate had diabetes	14	1.4	1.4	96.0
	Experience but not in a school	13	1.3	1.3	97.3
	A friend has/had diabetes	10	1.0	1.0	98.3
	Someone I know is diabetic	9	.9	.9	99.2
	I am diabetic	8	.8	.8	100.0
	Total	1000	100.0	100.0	

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