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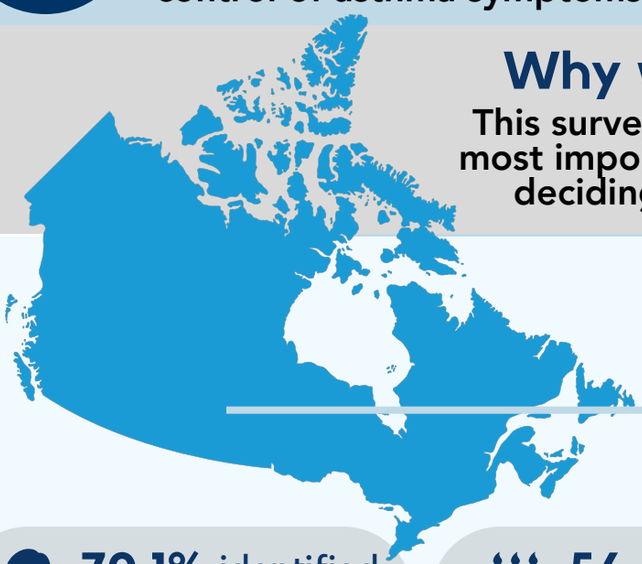
Asthma Canada

Biologic treatments for severe asthma

A survey of patient preferences

What are biologics?

Biologics are a newer type of medication (usually an injection) that may be helpful for people with severe asthma to gain long term control of asthma symptoms



Why was this survey conducted?

This survey aimed to understand which factors are most important to people with severe asthma when deciding between biologic treatment options

Who participated?

97 adults with severe asthma living in Canada

70.1% identified as female

56.4 years average age

79.4% identified as white

What did the survey measure?

Preferences for attributes of biologic treatments were measured using a type of study called a 'discrete choice experiment'

Participants were asked to choose between two hypothetical treatment descriptions 15 times

Examining which descriptions were more likely to be selected **revealed which treatment attributes are most important to patients with severe asthma**

Which treatment do you prefer?

	A	B
Improving daily activities	**Dramatic** improvement	**Slight** improvement
Controlling other health conditions	Does **not** treat other health conditions	**Treats one or more** other health conditions
Frequency of administration	Every **8 weeks**	Every **2 weeks**
Reducing rescue inhaler use	**50%** less use	**75%** less use
Reducing severe asthma attacks	**50%** fewer attacks	**50%** fewer attacks
Out-of-pocket costs per month	**You pay $100** per month	**You pay $50** per month

Which treatment attributes were most important?

- **Dramatic improvement in daily activities**
- **Lower out-of-pockets costs per month**
- **Reduced inhaler use**
- **Fewer severe asthma attacks**