

# The evolution of HIV treatment

— Then and now

The CATIE offices are located on the traditional territories of the Wendat, Anishinabek Nation, the Haudenosaunee Confederacy, and the Mississaugas of the Credit First Nation.

Today this place is home to many diverse First Nations, Inuit and Métis peoples. Tkaronto is covered by Treaty 13 signed with the Mississaugas of the Credit, and the Williams Treaties signed with multiple Mississaugas and Chippewa bands and their allies. I'm grateful for the opportunity to work and live on these lands.

We are all treaty people.



Canada's source for  
HIV and hepatitis C  
information

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# Agenda

## Panelists

- **Sean Hosein**, Science and Medicine Editor, CATIE
- **Dr. Alex Klein**, Senior Clinician, Mount Sinai Hospital
- **Robert Alsberry**, Registered Nurse, CATIE Board Member
- **Trevor Stratton**, International Indigenous Working Group on HIV & AIDS, Canadian Aboriginal AIDS Network
- **Alexandra de Kiewet**, co-founder of Canadian Association of People who Use Drugs (CAPUD), CATIE Board Member
- **Jessica Whitbread**, HIV Consultant and Activist

- i. **Introduction and welcome**
  - i. Shelley Taylor, CATIE
- ii. **The history of HIV treatment**
  - i. Sean Hosein, CATIE
- iii. **Current landscape of HIV treatment**
  - i. Dr. Alex Klein
- iv. **Panel discussion and Q&A**
  - i. All panelists
- v. **Closing**
  - i. Shelley Taylor, CATIE

HIV  
treatment  
saves lives.



# Evolution of HIV treatment, 1981-1995



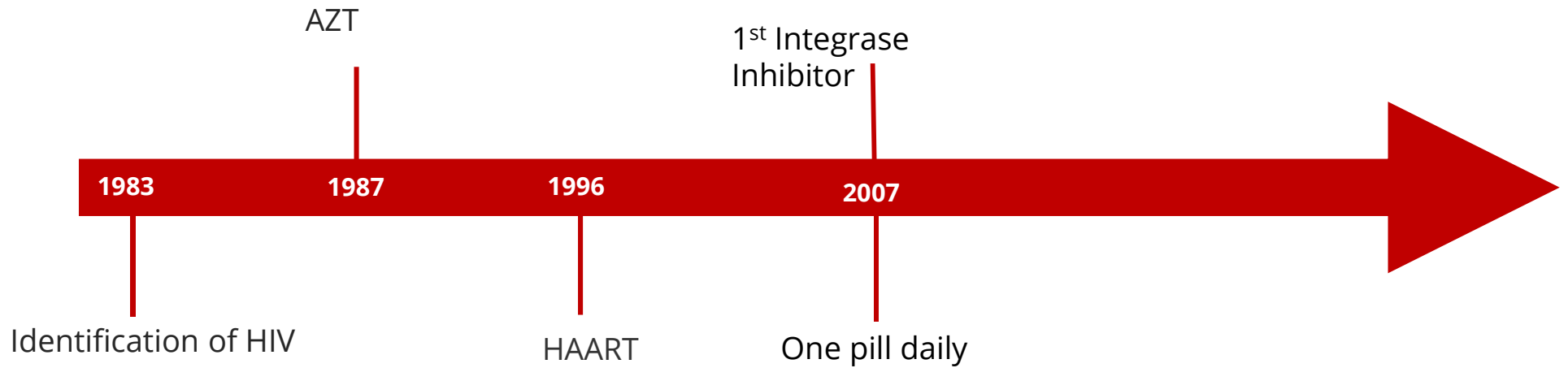
# Evolution of HIV treatment, 1981-1995



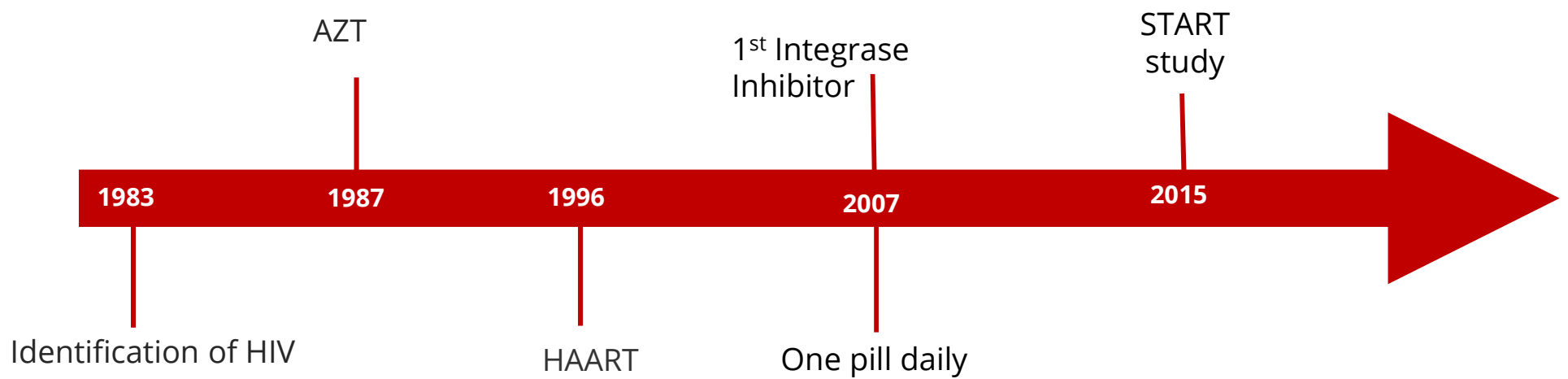
# Evolution of HIV treatment, 1996-2006



# Evolution of HIV treatment, 2007



# Evolution of HIV treatment



# Treatments are becoming even more effective

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- There are some treatments that consist of just two drugs
- Treatments are also better tolerated
- More regimens like this in the future
- May not be suitable for everyone

# Cabenuva

- Treatment injected monthly
- Approved in Canada but not currently on any formularies



# Future possibilities for long-acting HIV treatment

- Treatment injected every 2 months



# Treatment as prevention

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- Main goal of treatment is to improve the health of the person living with HIV
- A secondary and very important outcome of effective treatment is the prevention benefits that it offers
- People on effective HIV treatment who have an ongoing undetectable viral load cannot pass HIV on to their sexual partners

# Pre-Exposure Prophylaxis (PrEP)

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- A pill most commonly taken once daily by people who are HIV negative
- When used as directed PrEP is at least 99% effective
- PrEP is on many Canadian formularies



## Future possibilities for PrEP

- Injections once every 2-6 months
- A pill once monthly
- Annual implant

# Thank You!

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