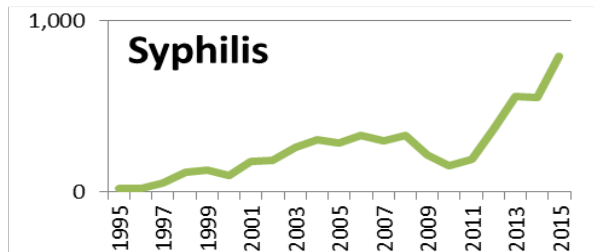
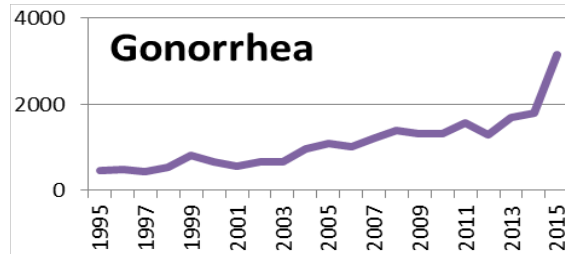
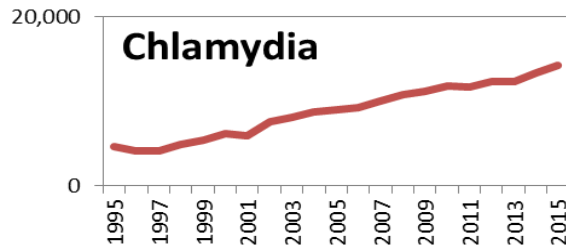


Scaling up an online STI and HIV testing program in British Columbia

Devon Haag, Travis Hottes, Kimberly Thomson, Mark Bondyra, Maja Karlsson, Sophie Bannar-Martin, Elizabeth Colangelo, Troy Grennan, Shannon Kopp, Trevor Corneil, Dee Hoyano, Mel Kraiden, Mark Gilbert

E-Health 2017

The context: STIs on the rise



- Increasing rates of sexually transmitted infections (STI) in BC
- People facing numerous barriers to accessing testing
- Public Health STI clinics closed in some regions
- BC Centre for Disease Control (BCCDC) clinics reaching maximum capacity

Harness digital technology to...

- Improve sexual health by getting more people testing more often to diagnose infections faster
- Reduce barriers to accessing testing, especially for populations at greater risk of infection
- Increase STI clinic capacity & make better use of clinician resources



Introducing...GetCheckedOnline

- Providing access to testing for chlamydia, gonorrhea, syphilis, HIV and hepatitis C via the internet
- A “virtual clinic” of the BC Centre for Disease Control in partnership with the provincial Public Health Lab and regional health authorities
- Integrated with current STI clinical and public health practices

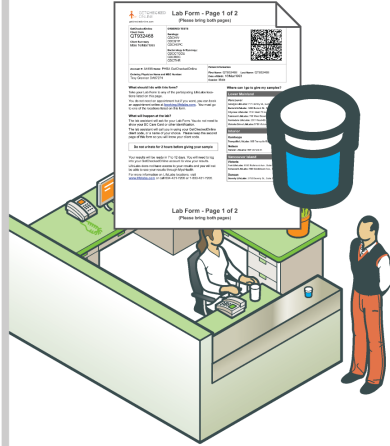


1 Get a Requisition



Create a profile, review pre-test information, complete an assessment, and print a requisition for STI tests.

2 Give Specimens



Go to a participating LifeLabs location to give blood, urine and swab specimens.

3 Receive Test Results



Receive notification by email when your test results are ready.

Log back in to view your test results.

[GetCheckedOnline.com](https://www.getcheckedonline.com)

Negative Test Results



Negative test results can be viewed online.

Positive Test Results

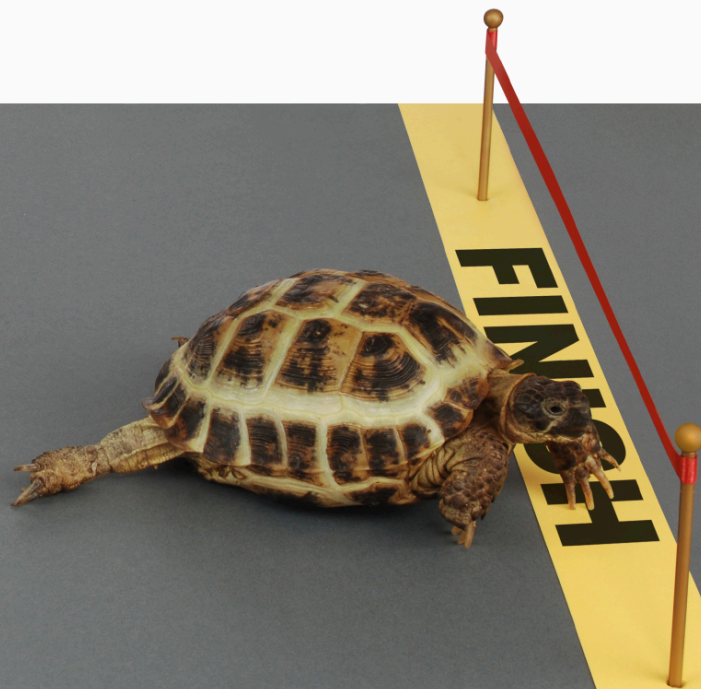


For positive test results the STI Clinic will contact you to discuss your results and follow-up treatment.

Problem With Sample



If there are any problems with your specimens you will receive a notification to contact the STI Clinic.



2009

2010

2011

2012

2013

2014

2015

2016

2017



Consultation, scoping, patient engagement

2009

2010

2011

2012

2013

2014

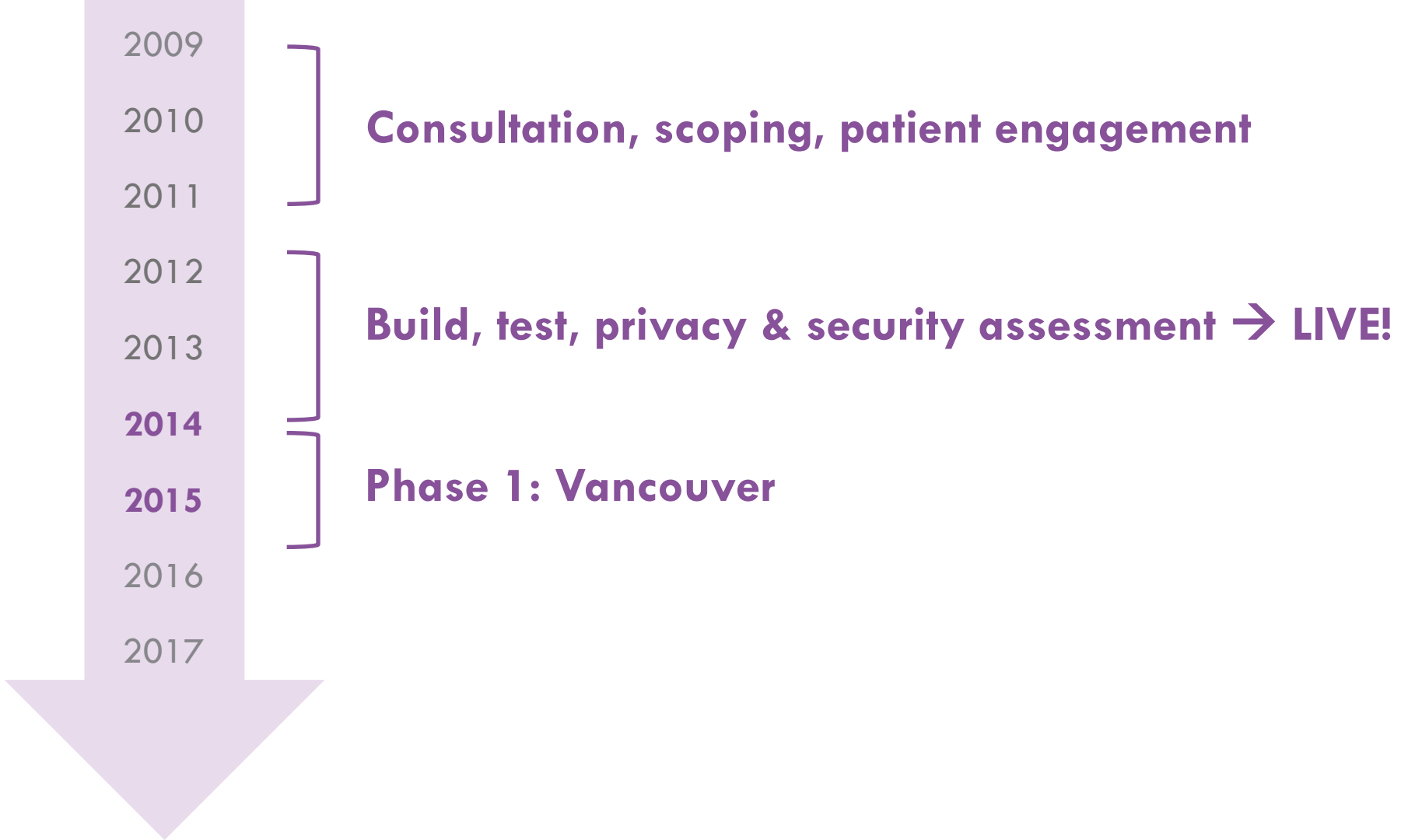
2015

2016

2017

Consultation, scoping, patient engagement

Build, test, privacy & security assessment → LIVE!



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Consultation, scoping, patient engagement

Build, test, privacy & security assessment → LIVE!

Phase 1: Vancouver

Phase 2: Scale-up → 2 Health Regions



Scaling up GetCheckedOnline

GetCheckedOnline Expansion Plan

Mark Gilbert, Devon Haag, Mark Bondyra

June 18th, 2014



Interior Health



Feb
2016

2014

2015

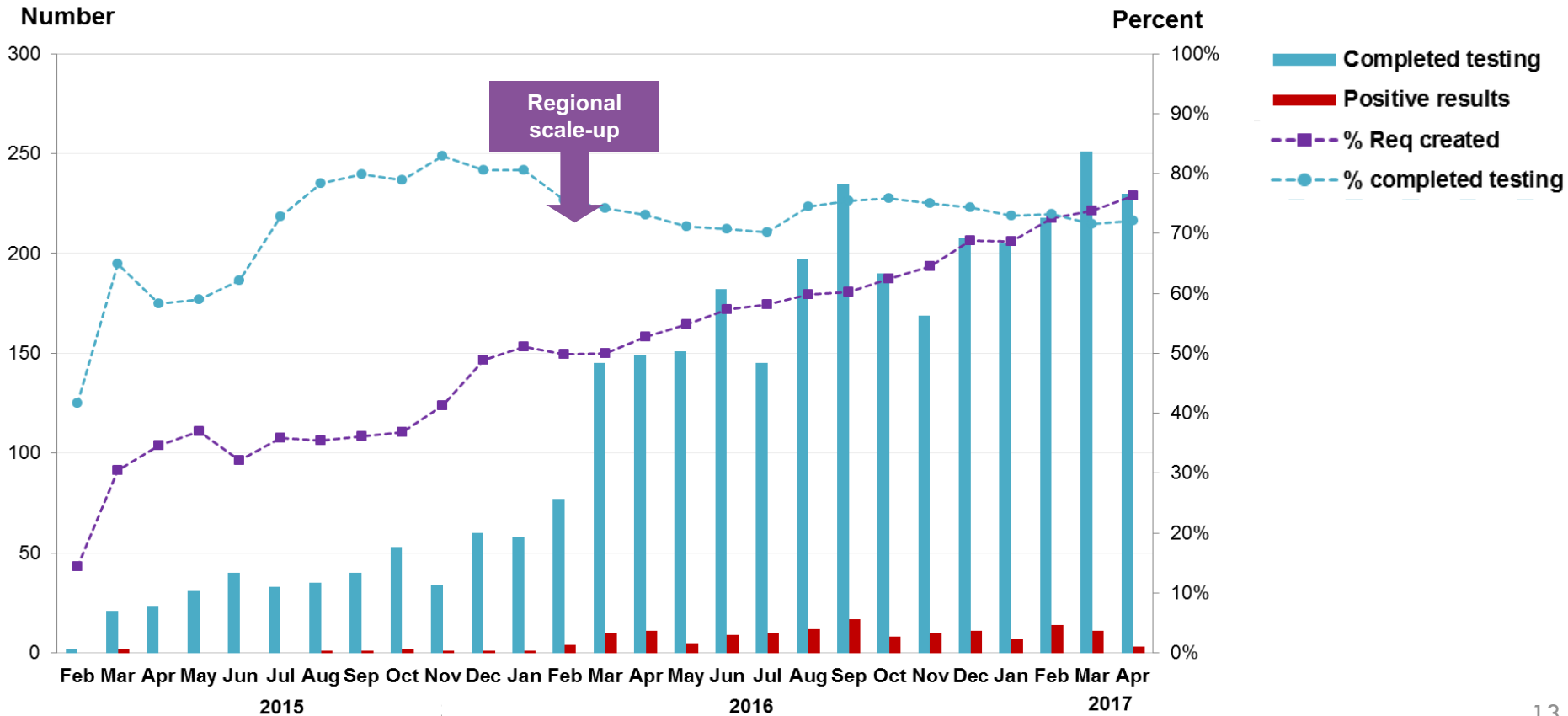
2016

Scale-up challenges

- Target communities & populations
- Follow-up and treatment of positive diagnoses
- Engaging clinics & physicians, especially in areas lacking public health STI clinics
- Ongoing:
 - Physicians unwilling to give treatment without laboratory report or confirmation of diagnosis
 - Timely access to treatment in some areas

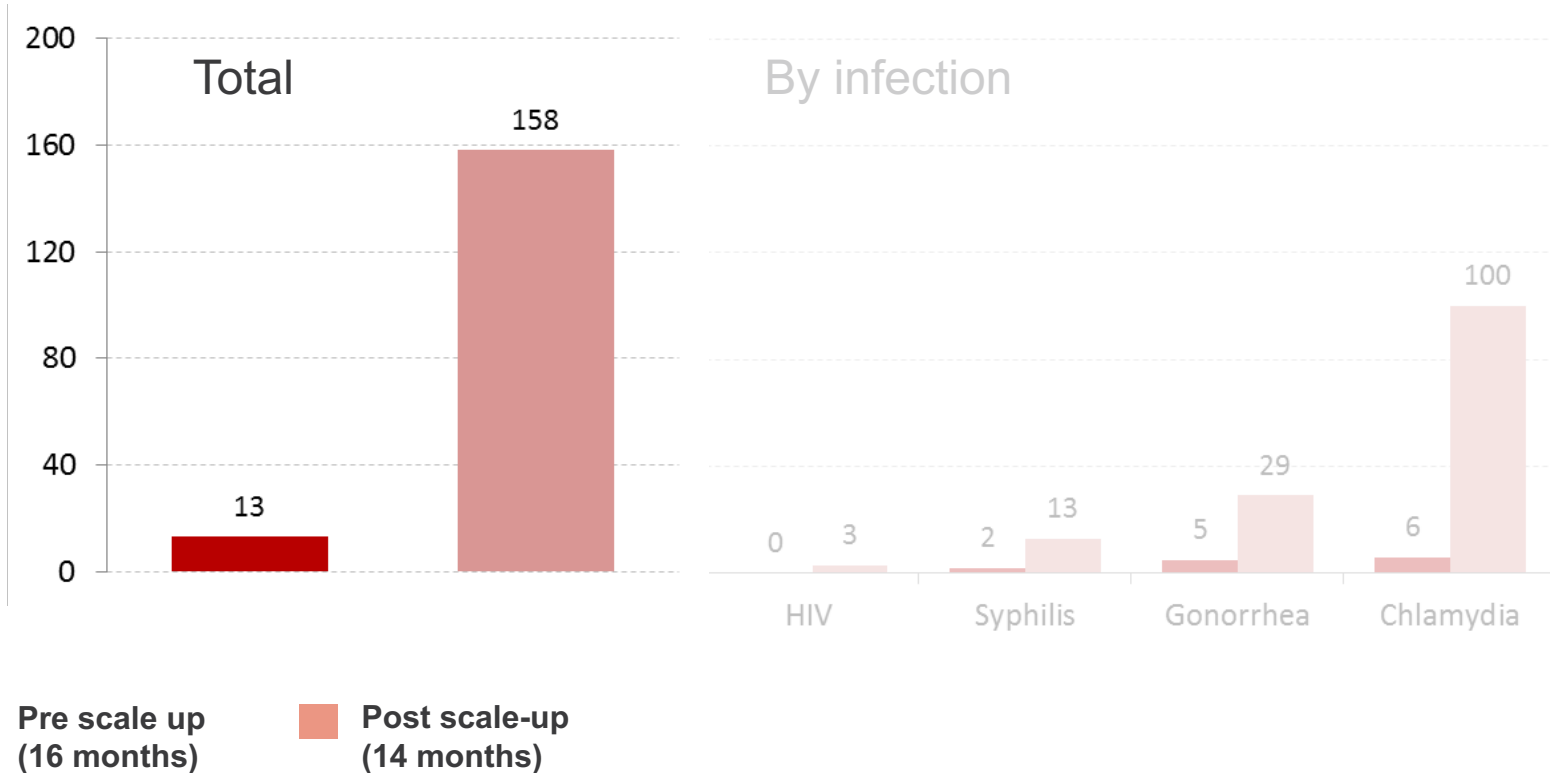
Trends in uptake

To April 2017



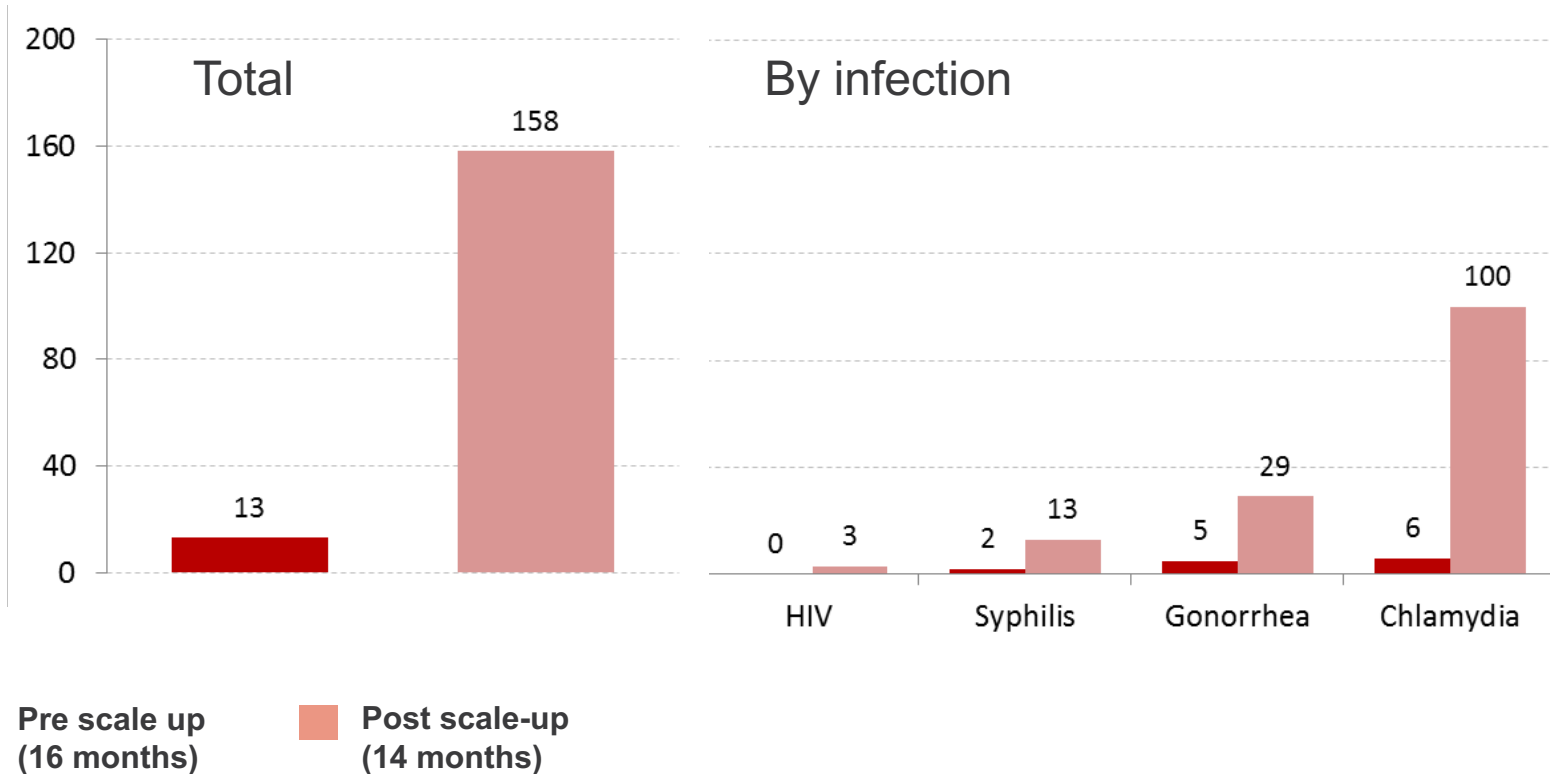
Trends in positivity

To April 2017



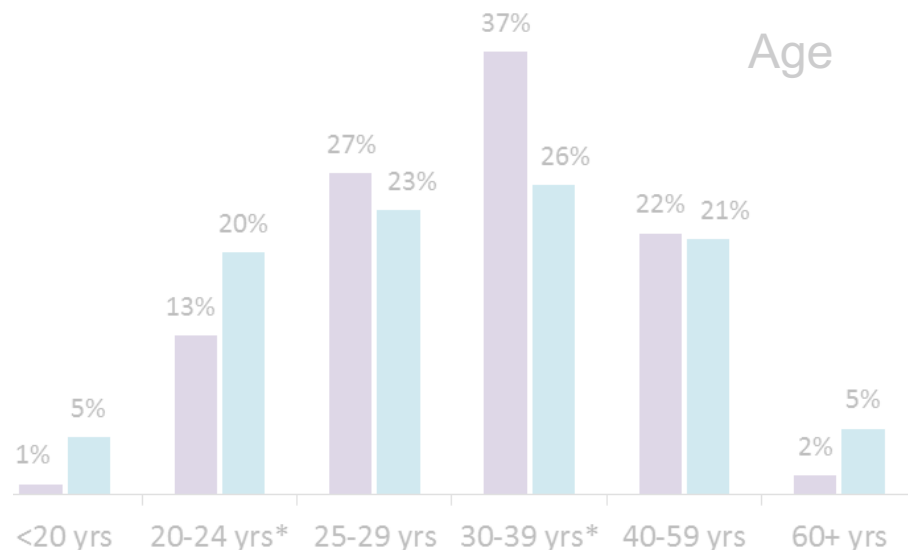
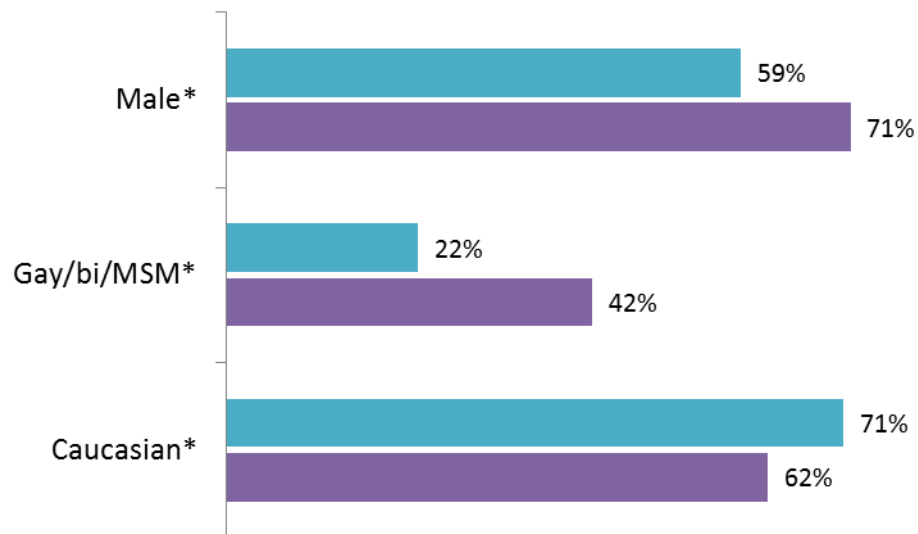
Trends in positivity

To April 2017



Who's using GetCheckedOnline?

February – December 2016

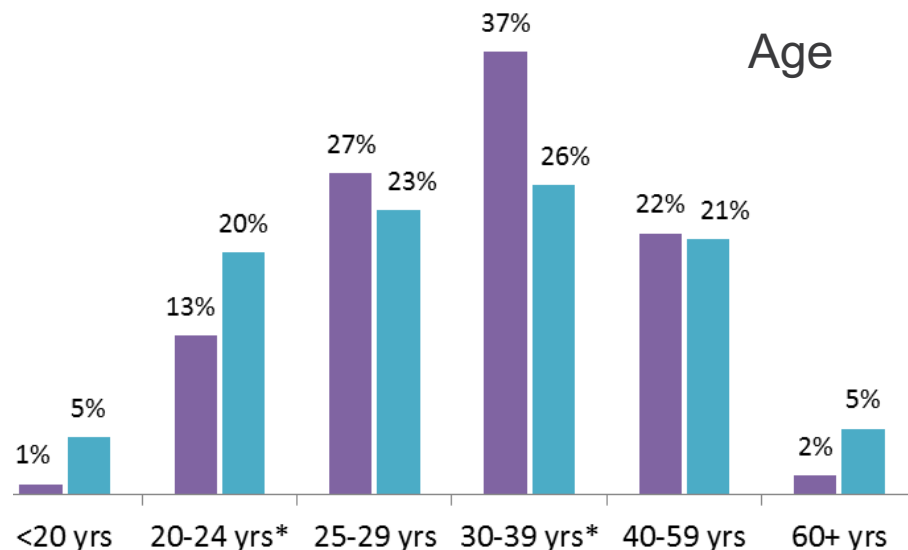
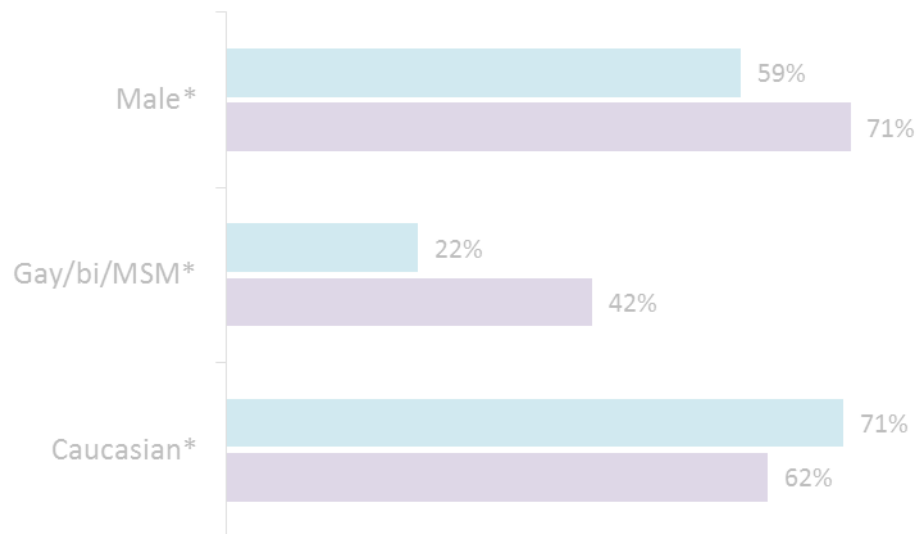


Vancouver **Island & Interior**

* Indicates significant at $p < 0.001$

Who's using GetCheckedOnline?

February – December 2016

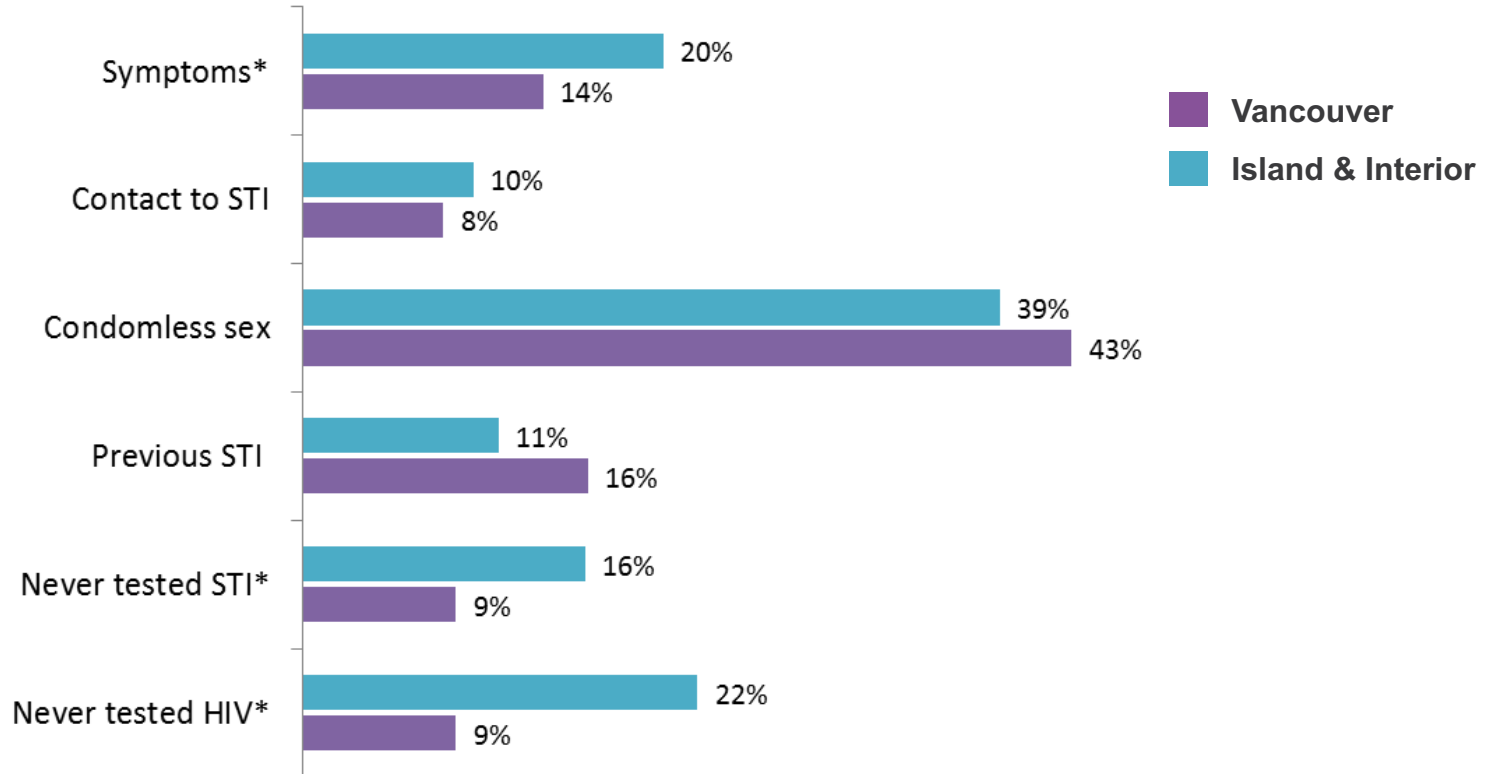


 Vancouver  Island & Interior

* Indicates significant at $p < 0.001$

Are we reaching people at risk?

February – December 2016



* Indicates significant at $p < 0.001$

What do patients think?

I'm not going to drive 40 miles to stand in line hoping I get in...Get Checked Online came on at the proper time... I would be very, very disappointed if it was not available anymore.

I greatly enjoy the online form and anonymity provided in getting tested...I know many people in my town who work at the hospital and clinics and do not always feel my information is confidential.

Conclusions

- Early engagement with clinicians, physicians & private clinics essential to successful expansion
- Service is well-accepted, valued for privacy & convenience
- Reaching people at risk: 1 in 20 testers diagnosed with an STI
- Important regional differences to consider



Thanks!

Devon.Haag@bccdc.ca

@SmartSexTweets



Researching Digital Interventions to Improve Sexual Health

www.LoveBytesResearch.ca