

Partner Notification in North America – A historical account

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Partner notification is the practice of identifying and contacting sexual partners of infected individuals to inform them of their risks of exposure, refer them for testing and treatment when appropriate, and often to provide education to help prevent further exposure and transmission.¹⁻³

PN is also called **contact tracing** or **partner services**, although those terms are normally reserved for activities undertaken by public health officials. A variety of agents, including infected individuals themselves, may carry out PN.

Introduction

In North America, partner notification (PN) has been an integral part of public health methods for the control and prevention of sexually transmitted infections (STI) since the 1940s, and has roots in 19th-century practices. Initially proposed for syphilis control, it now extends to a wide range of STIs, including HIV.

As part of a larger project coordinated by the National Collaborating Centre for Infectious Diseases (NCCID), this review documents the origins of PN in North America, the adoption of new methods, and strategies introduced to enhance practice. A historical vantage point helps assess factors that contribute to success and principles for good practice, as well as the remaining challenges.

Methods

A mixed-methods approach was adopted to identify published and unpublished source materials focused on the early history of partner notification or contact tracing in Canada and the United States. Source materials included primary research, systematic reviews, commentaries, reports, policy documents, and guidelines.

Search methods covered the PubMed database, reference lists of the articles retrieved, a manual search of selected journals, key public health organization websites, and a review of documents identified from semi-structured interviews with STI program experts and an online discussion forum (stdpreventiononline.org).

Key Innovations

Lot system

The lot system—an epidemiological tool linking cases and contacts—helped to quantify individuals' contributions to disease transmission, and to set priorities.¹⁷

Reinterviewing

Reinterviewing elicited new contact names not divulged at the first interview, as well as more accurate contact information for partners.²⁰

Behaviour modification approach to interviews

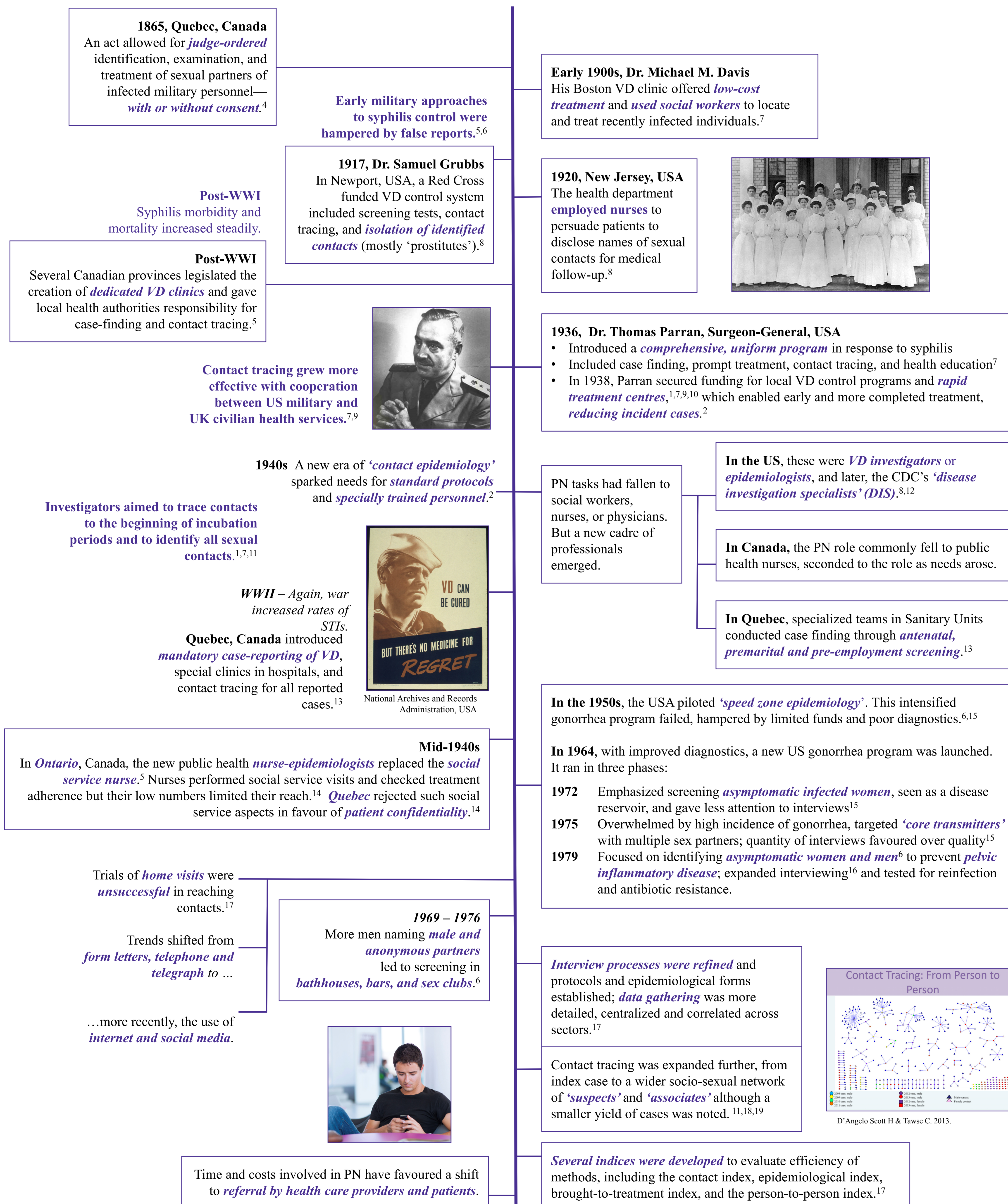
The CDC modified its interviewing process to focus on five messages to infected individuals. Interviewers stressed the importance of adhering to treatment, returning for follow-up testing, assuring that sex partners be examined, avoiding exposure to reinfection, and recognizing and responding to symptoms.¹⁵

Patients refer their partners

The responsibility for notifying partners shifted to patients, as studies found little difference in the numbers brought to treatment when trained investigators and the patient-referral system were compared.²¹

Developments in partner notification policy and practice

This timeline highlights the work of particular innovators, the evolution of practice by jurisdiction, and shifting policies and responsibility for PN services. It also reflects shifting disease trends and social factors.



Principles for Success

- Integrating PN within a larger public health initiative
- Continuous monitoring and evaluation of PN processes
- Ensuring patient confidentiality (i.e. the name of an index case is not divulged to contacts)
- Providing free testing and treatment

Challenges

- PN effectiveness is difficult to measure because it is most often delivered with a series of interventions (e.g. health education, routine screening, rapid treatment).
- Initially, venereal disease control targeted syphilis and gonorrhea, but other STIs—including chlamydia, non-gonococcal urethritis, and HIV—put further strain on already limited resources.²¹
- Restricted budgets, high rates of mobility, and increasing numbers of anonymous partners may call for new models of practice (e.g. use of social media).

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D'Angelo-Scott H, Tawse C. *What are we doing about the Syphilis outbreak in CDHA?* Presentation given at Sexually Transmitted Infections Research Network meeting, December 5, 2013. Halifax, NS: Capital District Health Authority.

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