

# **UPDATE ON IMPROVEMENTS TO SEXUALLY TRANSMITTED INFECTION SURVEILLANCE**

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**Manaaki Tangata Taiao Hoki  
protecting people and their environment through science**

# Overview

- **Background**
- **Issues identified**
- **Priorities**
- **Progress**
  - **Data and reporting**
  - **Laboratory-based surveillance**
  - **Clinic-based surveillance**
- **Where to next?**

# Background

- **In 2011**
  - **Clinic-based surveillance: 27 sexual health clinics, 32 family planning clinics, 14 student and youth health clinics**
  - **Laboratory-based surveillance: 18 DHBs**
- **Interest in surveillance improvement**
- **STI surveillance meeting – December 2011**
  - **Aim to determine priorities for addressing gaps in STI surveillance and potential solutions.**

# Issues identified

- **Demographic data for laboratory reporting**
  - Ethnicity, positive and negative tests
- **Clinic-based surveillance**
  - Particularly MSM, participating clinics, denominator, demographic information, reason for testing
- **Utility of reports**
- **Information standards and IT systems**

# Priorities

- **Ethnicity for laboratory data, positive and negative specimens (NHIs)**
- **New report format and analyses**
- **Full lab participation**
- **Sexual health clinics- explore feasibility of “sex of partner”**
- **Family Planning Clinics- reason for testing**
- **ESR to prepare report for MoH on SYHC**
- **Explore feasibility of sentinel surveillance in general practice**

# Progress - Data and reporting

- **New format annual and quarterly reports**
  - Focus on trends
- **Added slide set to annual report**
- **Improvements to ESR databases and data management**

Some plugins used by this page are out of date.

- ▶ [Monthly Surveillance Report](#)
- ▶ [Pertussis Report](#)
- ▶ [New Zealand Public Health Report](#)
- ▶ [New Zealand Public Health Surveillance Report](#)
- ▶ [STI Clinic Surveillance: Quarterly Report](#)
- ▶ [STI Lab Surveillance: Quarterly Report](#)
- ▶ [STI Surveillance: Annual Report](#)
- ▶ [EpiSurv](#)
- ▶ [LabSurv](#)
- ▶ [Antimicrobial Resistance](#)
- ▶ [Virological Surveillance](#)
- ▶ [Enteric Reference Laboratory](#)
- ▶ [Environmental Health Indicators](#)
- ▶ [EARS](#)

the DHB name in the tables below. The reports are in PDF format.

**Quarterly chlamydia rates (per 100 000 population) by DHB, April 2011 to June 2012**

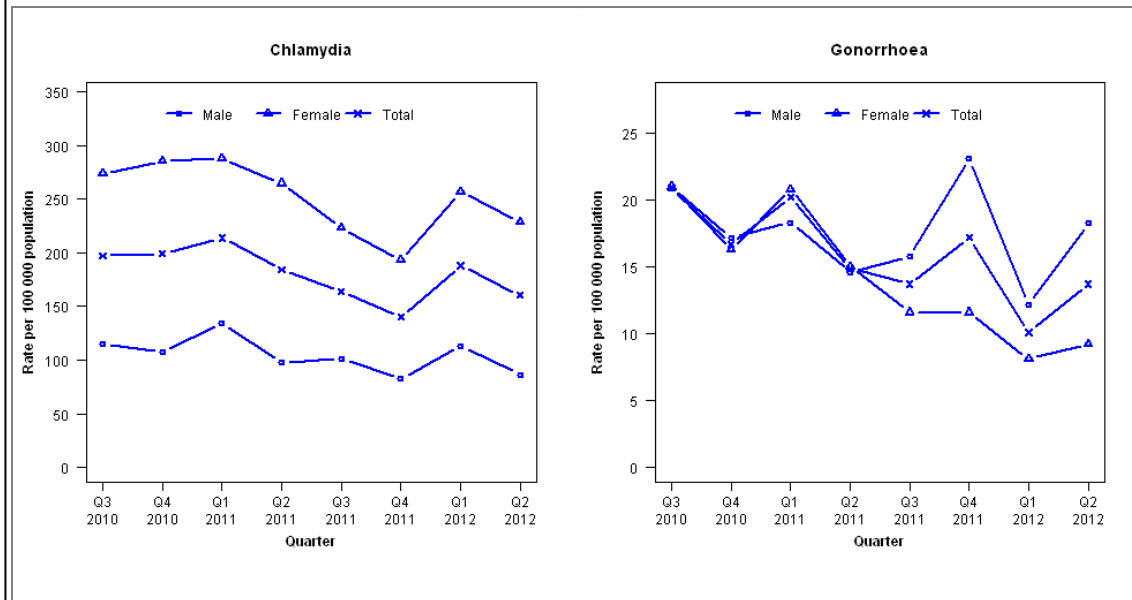
DHB	Q2 2011	Q3 2011	Q4 2011	Q1 2012	Q2 2012	Rate change
<a href="#">Northland DHB</a>	223	229	199	218	226	▲
<a href="#">Auckland region</a>	186	182	166	187	191	▲
<a href="#">Waikato DHB</a>	194	203	182	203	187	▼
<a href="#">Lakes DHB</a>	307	348	309	330	350	▲
<a href="#">Bay of Plenty DHB</a>	197	240	194	196	190	▼
<a href="#">Tairāwhiti DHB</a>	371	373	309	416	367	▼
<a href="#">Taranaki DHB</a>	163	158	135	155	135	▼
<a href="#">Hawke's Bay DHB</a>	266	234	222	254	240	▼
<a href="#">Whānauānui DHB</a>	211	170	171	214	189	▼
<a href="#">MidCentral DHB</a>	184	164	140	188	160	▼
<a href="#">Wairarapa DHB</a>	158	108	136	128	160	▲
<a href="#">West Coast DHB</a>	115	137	106	133	133	—
<a href="#">Southern DHB</a>	175	212	175	195	170	▼



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**Laboratory surveillance of chlamydia and gonorrhoea: April-June 2012**

Quarterly chlamydia and gonorrhoea rates (female, male and total population), July 2010 to June 2012



Denominator = Statistics New Zealand mid-year population estimates

**Number of lab confirmed chlamydia cases (female, male and total population) and number of tests per 100 000 population, July 2010 to June 2012**

	Q3 2010	Q4 2010	Q1 2011	Q2 2011	Q3 2011	Q4 2011	Q1 2012	Q2 2012
<b>Number of lab-confirmed cases<sup>1</sup></b>	330	333	360	310	276	236	317	270
<i>Female</i>	235	245	249	229	193	167	222	198
<i>Male</i>	94	88	110	80	83	68	93	71
<b>Tests per 100 000 population<sup>2</sup></b>	1813	1693	1727	1779	1734	1607	1739	1601

<sup>1</sup>Total includes cases where sex is not reported

<sup>2</sup>Denominator = Statistics New Zealand mid-year population estimates

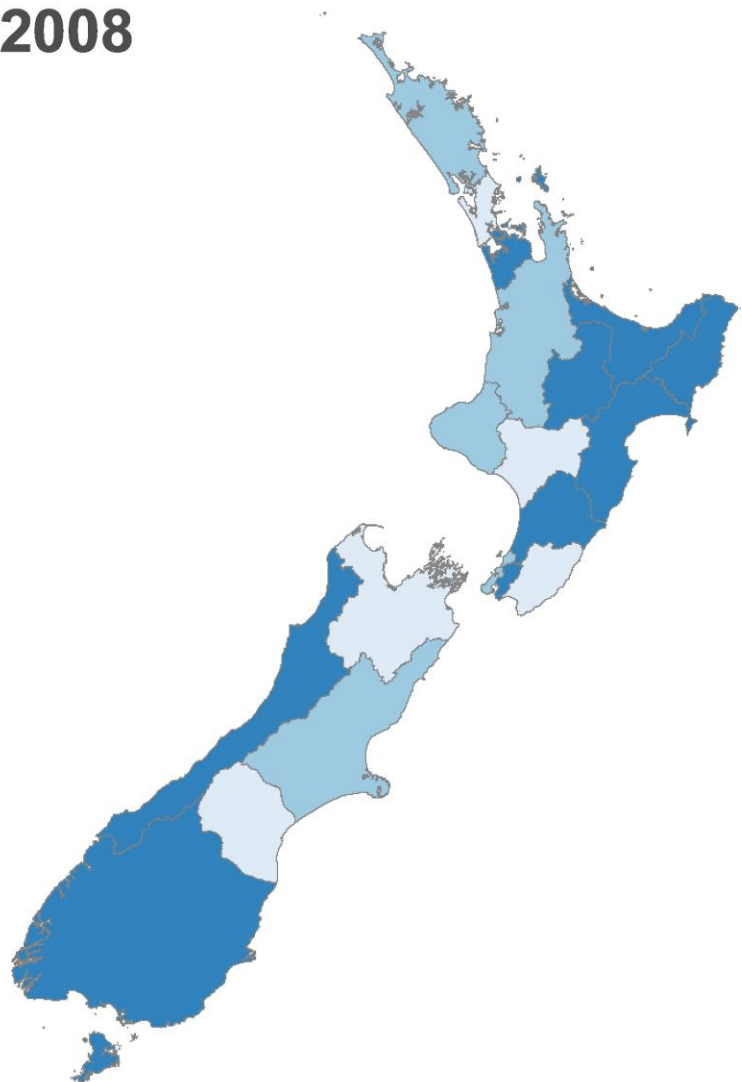





# Progress - Laboratory-based surveillance

- **Participation – all community laboratories now reporting**
- **MoH support for NHI privacy/data security proposal**

2008

2012



-  No laboratories
-  Some laboratories
-  All laboratories

# Progress - Clinic-based surveillance

- **FPA updating databases – enable easier addition of “reason for testing”**
- **Discontinuation of surveillance in student and youth health clinics**

# Where to next?

- **Risk factors – ongoing exploration with SHC**
- **Focus on laboratory data**
  - Adding NHIs
  - Adding antibiotic sensitivity
  - Negative and positive results
  - Secure data transfer
  - Obtaining ethnicity from MoH database
  - Deduplication

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